

**I-95 ETL Northbound Extension Phase II
Wetland Impacts - August 2019**

Wetland	USACE	MDE	Mitigation Required	Plate #	Classification	Wetland Impacts (SF)		Buffer Impacts (SF)	
	Regulated	Regulated				Permanent	Temporary	Permanent	Temporary
Contract KH-3019: MD 152 Interchange / I-95 NB ETL Two-Lane Extension / MD 152 Noise Wall									
WET A-21	Y	Y	Y	2	PFO	1,930	0	10,544	0
WET 12A	Y	Y	Y	4	PFO	514	0	2,378	0
WET C-PEM	Y	Y	Y	4	PEM	293	0	9,005	0
WET C-PFO	Y	Y	Y	4	PFO	417	0		0
WET B-PFO	Y	Y	Y	4	PFO	713	0		0
WET B-PFO	Y	Y	Y	5	PFO	7,984	0	17,283	0
WET B-PEM	Y	Y	Y	5	PEM	2,091	0		0
WET O	Y	Y	Y	5	PFO	574	0		0
WET B-PEM	Y	Y	Y	6	PEM	0	0	895	0
WET L1	Y	Y	Y	6	PFO	1,167	0	4,799	0
WET L2	Y	Y	Y	6	PEM	1,352	0	6,828	0
WET 13A	Y	Y	Y	7	PEM	246	0	2,316	0
WET A-17	Y	Y	Y	7	PFO	1,462	0	7,232	0
WET A-18	Y	Y	Y	7	PFO	1,190	0	4,089	0
WET A-18	Y	Y	Y	8	PFO	3,937	0	9,542	0
WET N	Y	Y	Y	9	PEM	1,318	0	6,068	0
WET A-11	Y	Y	Y	9	PFO	1,062	0	5,914	0
WET A-11	Y	Y	Y	10	PFO	221	0	5,634	0
WET A-10 PFO	Y	Y	Y	10	PFO	983	0	3,816	0
WET A-16	Y	Y	Y	10	PFO	7,676	0	11,434	0
WET A-16	Y	Y	Y	11	PFO	13,896	0	17,217	0
WET A-16	Y	Y	Y	12	PFO	2,884	0	4,262	0
WET 17A	Y	Y	Y	14	PFO	1,384	0	2,234	0
WET 94A	Y	Y	Y	15	PFO	1,026	0	8,359	0
WET 37A	Y	Y	Y	15	PFO	950	0	6,417	0
WET 36A	Y	Y	Y	15	PFO	2,508	0	17,309	0
WET 35A	Y	Y	Y	15	PFO	3,418	0		0
Wetland SS	Y	Y	Y	18	PFO	263	0	2,506	0
Wetland SS	Y	Y	Y	19	PFO	157	0	1,780	0
Wetland UU	Y	Y	Y	19	PFO	1,639	0	4,248	0
Wetland UU	Y	Y	Y	20	PFO	2,860	0	6,654	0
Wetland VV	Y	Y	Y	21	PFO	74	0	4,548	0
WET A-14	Y	Y	Y	22	PFO	2,212	0	3,966	0
WET A-15	Y	Y	Y	23	PFO	1,241	0	6,492	0
Wetland MM	Y	Y	Y	25	PFO	1,622	0	9,424	0
Wetland LL	Y	Y	Y	25	PEM	37	0		0
Wetland KK	Y	Y	Y	26	PFO	716	0	2,017	0
WET A-19	Y	Y	Y	30	PFO	906	0	10,254	0
WET A-6	Y	Y	Y	30	PFO	918	0		0
WET A-19	Y	Y	Y	31	PFO	269	0	2,230	0
WET A-8	N	Y	Y	31	PFO	86	0	1,729	0
WET A-8	N	Y	Y	32	PFO	953	0	8,784	0
WET A-7 PEM	Y	Y	Y	32	PEM	396	0	2,718	0
WET A-7 PFO	Y	Y	Y	32	PFO	35	0		0
WET A-12	Y	Y	Y	33	PFO	0	0	910	0
Wetland A	Y	Y	Y	34	PEM	1,299	0	8,486	0
Wetland C	Y	Y	Y	35	PEM	1,413	0	5,432	0
WET A-1	Y	Y	Y	35	PEM	1,186	0	7,817	0
WET A-2	Y	Y	Y	36	PFO	468	0	3,894	0
WET A-3	Y	Y	Y	38	PFO	21,799	0	21,646	0
WET A-3	Y	Y	Y	39	PFO	3,200	0	9,734	0
Wetland H	Y	Y	Y	41	PFO/PEM	2,298	0	2,496	0
Wetland L	Y	Y	Y	42	PFO	857	0	4,875	0
WET A-20	Y	Y	Y	45	PEM	1,905	0	6,609	0

**I-95 ETL Northbound Extension Phase II
Wetland Impacts - August 2019**

Wetland	USACE	MDE	Mitigation Required	Plate #	Classification	Wetland Impacts (SF)		Buffer Impacts (SF)	
	Regulated	Regulated				Permanent	Temporary	Permanent	Temporary
Contract KH-3020: I-95 NB ETL Extension to Bynum Run / Noise Wall on NB I-95 North of Abingdon Road									
WET D-1	Y	Y	Y	7	PFO	0	0	2,740	0
WET G-1	N	Y	Y	8	PFO	2,017	0	9,646	0
WET G-2	N	Y	Y	9	PSS	0	0	911	0
WET G-3	Y	Y	Y	11	PFO	447	0	3,778	0
WET G-6A	Y	Y	Y	11	PEM	0	0	1,875	0
WET G-6B	Y	Y	Y	11	PFO	0	0	154	0
WET G-5	Y	Y	Y	11	PFO	174	0	2,225	0
WET G-5	Y	Y	Y	12	PFO	1,132	0	5,344	0
Contract KH-3021: MD 24 Interchange / ETL Two-Lane Extension									
WET C-3	Y	Y	Y	2	PEM	7,220	0	10,605	0
WET C-10	Y	Y	Y	3	PFO	86	0	2,453	0
WET C-10	Y	Y	Y	4	PFO	124	0	1,848	0
WET C-1	Y	Y	Y	5	PEM	6,807	0	8,257	0
WET C-1	Y	Y	Y	6	PEM	0	0	363	0
WET C-10	Y	Y	Y	6	PFO	0	0	206	0
WET C-1	Y	Y	Y	7	PEM	2,493	0	6,295	0
WET C-2	Y	Y	Y	7	PSS	4,946	0		0
Wetland AA	Y	Y	Y	7	PFO	246	0	1,795	0
WET C-1	Y	Y	Y	8	PEM	2,444	0	3,174	0
Wetland AA	Y	Y	Y	9	PFO	16	0	931	0
Wetland Z	Y	Y	Y	9	PFO	135	0	2,829	0
Wetland T	N	Y	Y	10	PEM	538	0	4,615	0
Wetland BB	Y	Y	Y	11	PFO	2,365	0	7,065	0
Wetland BB	Y	Y	Y	12	PFO	0	0	40	0
Wetland P	N	Y	Y	13	PFO	2,389	0	6,781	0
Wetland X	Y	Y	Y	15	PFO	6,039	0	10,684	0
Wetland S	Y	Y	Y	15	PFO	487	0	3,014	0
Wetland S	Y	Y	Y	16	PFO	413	0	2,388	0
Contract KH-3021: Winter's Run Bridge									
WET C-12	Y	Y	Y	2	PFO	0	N/A	482	N/A
WET C-12	Y	Y	Y	4	PFO	138	N/A	1,184	N/A
Contract KH-3023: MD 24/MD 924 Park & Ride									
WET F-3	Y	N	Y	1	PEM	318	0	0	0
WET F-6	Y	Y	Y	1	PSS	2,114	0	16,012	0
WET F-2	Y	Y	Y	2	PSS	503	0	10,391	0
WET F-4	Y	Y	Y	2	PFO	892	0		0
WET F-5	Y	Y	Y	2	PFO	755	0		0
Contract KH-3027: MD 152 Park and Ride Facility Relocation									
WET E-4	Y	Y	Y	1	PFO	10,261	0	9,350	0
WET E-4	Y	Y	Y	2	PFO	3,557	0	13,682	0
WET E-4	Y	Y	Y	3	PFO	2,657	0	17,806	0
WET E-4	Y	Y	Y	4	PFO	3,278	0	14,844	0
Contract KH-3031: Noise Wall on SB I-95 South of Calvary Road									
WET 4D	Y	Y	Y	1	PFO	0	0	360	0
WET 1D	Y	Y	Y	4	PFO	0	0	90	0
Contract KH-30XX: ITS and Sign Installation									
WET E-3	Y	Y	Y	2	PFO	0	0	1,127	0
WET E-3	Y	Y	Y	3	PEM	0	0	2,957	0

I-95 ETL Northbound Extension Phase II
Wetland Impacts - August 2019

Wetland	USACE	MDE	Mitigation Required	Plate #	Classification	Wetland Impacts (SF)		Buffer Impacts (SF)	
	Regulated	Regulated				Permanent	Temporary	Permanent	Temporary
Contract KH-30XX: Lilly Run Stream Mitigation									
WET 02A	Y	Y	N	7	PEM	0	48	0	1,198
WET 02	Y	Y	N	9	PEM	0	0	0	460
Contract KH-30XX: Eccleston Mitigation Site									
WET 04	Y	Y	N	3	PEM	0	16,917	0	26,136
WET 04	Y	Y	N	3	PFO	0	18,834	0	
WET 06	Y	Y	N	3	PFO	0	5,096	0	10,976
WET 05	Y	Y	N	4	PEM	0	1,406	0	1,439
WET 06	Y	Y	N	4	PFO	0	11,608	0	28,320
WET 06	Y	Y	N	4	PEM	0	25,354	0	
WET 02	Y	Y	N	5	PEM	0	1,614	0	4,732
WET 02A	Y	Y	N	5	PEM	0	179	0	2,444
WET 03	Y	Y	N	5	PEM	0	517	0	5,316
WET 06	Y	Y	N	5	PEM	0	5,142	0	11,665
WET 01	Y	Y	N	6	PFO	0	16,528	0	19,205
WET 01	Y	Y	N	6	PEM	0	5,940	0	
WET 01A	Y	Y	N	6	PFO	0	215	0	
WET 02	Y	Y	N	6	PFO	0	6,533	0	5,284
WET 02	Y	Y	N	6	PEM	0	1,384	0	
WET 11	Y	Y	N	6	PEM	0	0	0	236
WET 12	Y	Y	N	6	PEM	0	4,350	0	12,032
WET 01	Y	Y	N	7	PFO	0	7,118	0	17,053
WET 01	Y	Y	N	7	PEM	0	11,079	0	
WET 01	Y	Y	N	7	PSS	0	6,011	0	
WET 09	Y	Y	N	9	PFO	0	5,553	0	13,434
WET 09	Y	Y	N	9	PEM	0	1,720	0	
WET 09	Y	Y	N	10	PFO	0	3,163	0	15,407
WET 01	Y	Y	N	11	PEM	0	562	0	2,930
WET 01	Y	Y	N	11	PSS	0	247	0	
WET 09	Y	Y	N	11	PFO	0	3,863	0	7,413
WET 20	Y	Y	N	11	PEM	0	1,727	0	7,351
WET 21	Y	Y	N	11	PEM	0	0	0	1,104
WET 02	Y	Y	N	12	PFO	0	2,284	0	5,980
WET 11	Y	Y	N	12	PEM	0	739	0	4,611
WET 21	Y	Y	N	12	PEM	0	1,373	0	6,386
WET 22	Y	Y	N	12	PEM	0	4,327	0	12,269
WET 07	Y	Y	N	13	PFO	0	25	0	608
WET 09	Y	Y	N	13	PFO	0	104	0	314
WET 10	Y	Y	N	13	PUB	0	5,235	0	9,565
WET 22	Y	Y	N	14	PEM	0	35	0	1,505

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Wetland Impacts - August 2019

Wetland	USACE	MDE	Mitigation Required	Plate #	Classification	Wetland Impacts (SF)		Buffer Impacts (SF)	
	Regulated	Regulated				Permanent	Temporary	Permanent	Temporary
Roadway Improvement Impact Totals									
USACE Regulated Wetland Totals									
Total PEM						30,818	0	N/A	N/A
Total PSS						7,563	0	N/A	N/A
Total PFO						128,334	0	N/A	N/A
Total PFO/PEM						2,298	0	N/A	N/A
USACE TOTAL						169,013	0	N/A	N/A
MDE Regulated Wetland Totals									
Total PEM						31,038	0	N/A	N/A
Total PSS						7,563	0	N/A	N/A
Total PFO						133,779	0	N/A	N/A
Total PFO/PEM						2,298	0	N/A	N/A
Total Wetland Buffer						N/A	N/A	491,125	0
MDE TOTAL						174,678	0	491,125	0
Mitigation Impact Totals									
USACE Regulated Wetland Totals									
Total PEM						0	84,413	N/A	N/A
Total PSS						0	6,258	N/A	N/A
Total PFO						0	80,924	N/A	N/A
Total PFO/PEM						0	0	N/A	N/A
USACE TOTAL						0	171,595	N/A	N/A
MDE Regulated Wetland Totals									
Total PEM						0	84,413	N/A	N/A
Total PSS						0	6,258	N/A	N/A
Total PFO						0	80,924	N/A	N/A
Total PFO/PEM						0	0	N/A	N/A
Total Wetland Buffer						N/A	N/A	0	235,373
MDE TOTAL						0	171,595	0	235,373
Projectwide Impact Totals									
USACE Regulated Wetland Totals									
Total PEM						30,818	84,413	N/A	N/A
Total PSS						7,563	6,258	N/A	N/A
Total PFO						128,334	80,924	N/A	N/A
Total PFO/PEM						2,298	0	N/A	N/A
USACE TOTAL						169,013	171,595	N/A	N/A
MDE Regulated Wetland Totals									
Total PEM						31,038	84,413	N/A	N/A
Total PSS						7,563	6,258	N/A	N/A
Total PFO						133,779	80,924	N/A	N/A
Total PFO/PEM						2,298	0	N/A	N/A
Total Wetland Buffer						N/A	N/A	491,125	235,373
MDE TOTAL						174,678	171,595	491,125	235,373

**I-95 ETL Northbound Extension Phase II
Waterway Impacts - August 2019**

Waterway	USACE	MDE	Mitigation Required	Plate #	Classification	Permanent Stream Impacts		Temporary Stream Impacts		Permanent Floodplain Impacts	Temporary Floodplain Impacts
	Regulated	Regulated				LF	SF	LF	SF	SF	SF
Contract KH-3019: MD 152 Interchange / I-95 NB ETL Two-Lane Extension / MD 152 Noise Wall											
WUS Y	Y	N	N	1	Ephemeral	74	241	0	0	0	0
WUS Y (Culverted)	Y	N	N	1	Ephemeral	56	191	0	0	0	0
WUS 20A	Y	Y	Y	2	Perennial	111	1,481	0	0	0	0
WUS E	Y	N	N	2	Ephemeral	48	29	0	0	0	0
WUS 20A	Y	Y	Y	3	Perennial	104	321	0	0	0	0
WUS 20A (Culverted)	Y	Y	N	3	Perennial	136	1,086	0	0	0	0
WUS 20A	Y	Y	Y	4	Perennial	130	1,061	0	0	0	0
WUS 20A (Culverted)	Y	Y	N	4	Perennial	68	544	0	0	0	0
WUS E	Y	N	N	4	Ephemeral	65	73	0	0	0	0
WUS 21A	Y	Y	Y	4	Intermittent	74	374	0	0	0	0
WUS 13A-b	Y	N	N	7	Ephemeral	43	339	0	0	0	0
WUS A-20	Y	Y	Y	9	Intermittent	102	310	0	0	0	0
WUS 23A	Y	Y	Y	9	Perennial	344	2,447	0	0	0	0
WUS A-10	Y	Y	Y	10	Intermittent	106	800	0	0	0	0
WUS 25A	Y	Y	Y	10	Perennial	90	713	0	0	0	0
WUS 25A (Relocated)	Y	Y	N	10	Perennial	261	2,067	0	0	0	0
WUS 23A	Y	Y	Y	10	Perennial	96	761	0	0	0	0
WUS 26A	Y	Y	Y	10	Intermittent	323	1,384	0	0	0	0
WUS A-18	Y	Y	Y	10	Intermittent	191	1,566	0	0	0	0
WUS A-19	Y	Y	Y	10	Intermittent	18	36	0	0	0	0
WUS A-18	Y	Y	Y	11	Intermittent	4	16	0	0	0	0
WUS 26A	Y	Y	Y	11	Intermittent	73	425	0	0	0	0
WUS A-17 (Relocated)	Y	Y	N	11	Intermittent	230	444	0	0	0	0
WUS A-17 (Relocated)	Y	Y	N	12	Intermittent	367	728	0	0	0	0
WUS 23A	Y	Y	Y	13	Perennial	90	297	0	0	0	0
WUS 23A (Culverted)	Y	Y	N	13	Perennial	320	1,056	0	0	0	0
WUS 23A	Y	Y	Y	14	Perennial	38	195	0	0	0	0
WUS 23A (Culverted)	Y	Y	N	14	Perennial	197	1,013	0	0	0	0
WUS 30A	Y	Y	Y	14	Intermittent	50	217	0	0	0	0
WUS 29A	Y	N	N	14	Ephemeral	27	157	0	0	0	0
WUS A-21 (Culverted)	Y	Y	N	15	Intermittent	76	414	0	0	0	0
Waters QQ	Y	Y	Y	15	Intermittent	56	168	0	0	0	0
WUS 25B	Y	Y	Y	16	Perennial	40	181	0	0	0	0
WUS 25B (Culverted)	Y	Y	N	16	Perennial	109	383	0	0	0	0
Waters QQ	Y	Y	Y	16	Intermittent	233	1,224	0	0	0	0
Waters G	Y	Y	Y	16	Perennial	148	970	0	0	0	0
Waters G	Y	Y	Y	17	Perennial	278	1,806	0	0	0	0
Waters G (Relocated)	Y	Y	N	17	Perennial	96	650	0	0	0	0
Waters G (Relocated)	Y	Y	N	18	Perennial	351	3,375	0	0	0	0
Waters B (Culverted)	Y	Y	N	19	Perennial	169	506	0	0	0	0
Waters TT	Y	N	N	19	Ephemeral	77	423	0	0	0	0
Waters G	Y	Y	Y	19	Perennial	88	1,143	0	0	0	0
Waters G (Relocated)	Y	Y	N	19	Perennial	70	910	0	0	0	0
Waters E	Y	Y	Y	22	Intermittent	124	537	0	0	0	0
Waters E (Culverted)	Y	Y	N	22	Intermittent	127	305	0	0	0	0
Waters G (Culverted)	Y	Y	N	24	Perennial	160	481	0	0	0	0
Waters J (Culverted)	Y	Y	N	25	Perennial	76	301	0	0	0	0
Waters J (Culverted)	Y	Y	N	26	Perennial	65	195	0	0	0	0
Waters M	Y	Y	Y	28	Perennial	66	64	0	0	0	0
Waters M (Culverted)	Y	Y	N	28	Perennial	174	1,069	0	0	0	0
Waters WW	Y	N	N	29	Ephemeral	49	156	0	0	0	0
Waters WW (Culverted)	Y	N	N	29	Ephemeral	163	630	0	0	0	0
WUS A-13	Y	Y	Y	33	Intermittent	170	1,142	0	0	0	0
Waters B	Y	Y	Y	34	Perennial	148	760	0	0	0	0
Waters B (Relocated)	Y	Y	N	34	Perennial	248	1,274	0	0	0	0
Waters B	Y	Y	Y	35	Perennial	79	842	0	0	0	0
Waters B (Culverted)	Y	Y	N	35	Perennial	88	210	0	0	0	0
Waters B (Relocated)	Y	Y	N	35	Perennial	232	1,461	0	0	0	0
Waters D	Y	Y	Y	35	Intermittent	278	1,980	0	0	0	0
WUS A-1	Y	Y	Y	36	Intermittent	203	902	0	0	0	0
Waters E	Y	Y	Y	36	Intermittent	219	1,688	0	0	0	0
Waters E	Y	Y	Y	37	Intermittent	86	659	0	0	0	0
Waters E (Culverted)	Y	Y	N	37	Intermittent	145	345	0	0	0	0
Waters F	Y	Y	Y	38	Perennial	51	241	0	0	0	0
WUS A-24	Y	Y	Y	38	Intermittent	52	121	0	0	0	0
Waters F	Y	Y	Y	39	Perennial	107	659	0	0	0	0
Waters G	Y	Y	Y	39	Perennial	49	305	0	0	0	0
Waters G (Culverted)	Y	Y	N	39	Perennial	65	190	0	0	0	0
WUS A-2	Y	Y	Y	39	Perennial	31	84	0	0	0	0
Waters I	Y	Y	Y	40	Intermittent	74	254	0	0	0	0
Waters I	Y	Y	Y	41	Intermittent	35	169	0	0	0	0
Waters J	Y	Y	Y	41	Perennial	63	244	0	0	0	0
Waters J (Culverted)	Y	Y	N	41	Perennial	65	193	0	0	0	0
Waters K	Y	Y	Y	42	Intermittent	191	991	0	0	0	0
Waters M	Y	Y	Y	43	Perennial	85	521	0	0	0	0
Waters M (Culverted)	Y	Y	N	43	Perennial	111	700	0	0	0	0
Waters N	Y	Y	Y	44	Intermittent	143	1,022	0	0	0	0
Waters WW (Culverted)	Y	N	N	44	Ephemeral	77	231	0	0	0	0
100-Yr Floodplain	N	Y	N	44	100-YR FP	0	0	0	0	483	0
WUS A-25	Y	Y	Y	45	Intermittent	7	22	0	0	0	0
WUS 24B	Y	Y	Y	46	Intermittent	33	281	0	0	0	0
Waters QQ	Y	Y	Y	47	Intermittent	178	534	0	0	0	0

**I-95 ETL Northbound Extension Phase II
Waterway Impacts - August 2019**

Waterway	USACE	MDE	Mitigation Required	Plate #	Classification	Permanent Stream Impacts		Temporary Stream Impacts		Permanent Floodplain Impacts	Temporary Floodplain Impacts
	Regulated	Regulated				LF	SF	LF	SF	SF	SF
Contract KH-3020: I-95 NB ETL Extension to Bynum Run / Noise Wall on NB I-95 North of Abingdon Road											
WUS C-10 (Haha Branch)	Y	Y	Y	2	Perennial	127	1,424	0	0	44,276	0
WUS C-13	Y	Y	Y	3	Intermittent	34	309	0	0	0	0
WUS C-16	Y	Y	Y	3	Intermittent	13	53	0	0	0	0
WUS C-25	Y	Y	Y	4	Intermittent	22	138	0	0	0	0
WUS G-3	Y	Y	Y	10	Intermittent	39	588	0	0	0	0
WUS G-20	Y	Y	Y	10	Intermittent	55	233	0	0	0	0
WUS G-20	Y	Y	Y	11	Intermittent	122	486	0	0	0	0
WUS G-5	Y	Y	Y	11	Perennial	51	478	0	0	0	0
WUS G-7	Y	Y	Y	11	Intermittent	42	289	0	0	0	0
WUS G-11	Y	Y	Y	13	Intermittent	49	561	0	0	0	0
WUS 2D	Y	Y	Y	13	Perennial	31	329	0	0	0	0
WUS G-13	Y	Y	Y	13	Intermittent	37	413	0	0	0	0
WUS G-15	Y	N	N	14	Ephemeral	40	439	0	0	0	0
WUS G-18A (Relocated)	Y	Y	N	15	Intermittent	137	895	0	0	0	0
WUS G-18A (Relocated)	Y	Y	N	16	Intermittent	335	2096	0	0	0	0
WUS G-18B (Relocated)	Y	Y	N	16	Intermittent	104	520	0	0	0	0
Contract KH-3021: MD 24 Interchange / ETL Two-Lane Extension											
WUS C-7	Y	Y	Y	2	Intermittent	122	654	0	0	0	0
WUS C-7 (Culverted)	Y	Y	N	2	Intermittent	135	885	0	0	0	0
WUS C-8	Y	Y	Y	2	Intermittent	351	2,838	0	0	0	0
WUS C-9	Y	N	N	2	Ephemeral	42	355	0	0	0	0
WUS C-11	Y	N	N	2	Ephemeral	34	105	0	0	0	0
WUS C-12	Y	N	N	2	Ephemeral	12	59	0	0	0	0
WUS C-28	Y	Y	Y	3	Perennial	323	2,845	0	0	0	0
WUS C-28	Y	Y	Y	4	Perennial	88	750	0	0	0	0
WUS C-3	Y	Y	Y	5	Intermittent	128	1,066	0	0	0	0
WUS C-3 (Culverted)	Y	Y	N	5	Intermittent	178	1,135	0	0	0	0
WUS C-5	Y	Y	Y	5	Intermittent	100	453	0	0	0	0
WUS C-6	Y	Y	Y	5	Intermittent	109	650	0	0	0	0
Waters Y	Y	Y	Y	5	Perennial	174	1,713	0	0	0	0
WUS C-28	Y	Y	Y	6	Perennial	56	1,012	0	0	0	0
Waters Y	Y	Y	Y	6	Perennial	84	834	0	0	0	0
Waters Y (Culverted)	Y	Y	N	6	Perennial	231	1,105	0	0	0	0
WUS C-4	Y	Y	Y	7	Intermittent	41	537	0	0	0	0
Waters OO	Y	Y	Y	7	Intermittent	208	1,166	0	0	0	0
Waters Y	Y	Y	Y	7	Perennial	205	2,763	0	0	0	0
Waters Y (Culverted)	Y	Y	N	7	Perennial	311	1,792	0	0	0	0
WUS C-4	Y	Y	Y	8	Intermittent	274	4,767	0	0	0	0
Waters Y	Y	Y	Y	8	Perennial	106	710	0	0	0	0
WUS C-1	Y	N	N	9	Ephemeral	110	975	0	0	0	0
WUS C-2	Y	Y	Y	9	Intermittent	109	911	0	0	0	0
Waters Y	Y	Y	Y	9	Perennial	706	6,070	0	0	0	0
Waters Y (Culverted)	Y	Y	N	9	Perennial	93	722	0	0	0	0
Waters CC	Y	Y	Y	11	Intermittent	46	229	0	0	0	0
Waters Y	Y	Y	Y	11	Perennial	236	3,068	0	0	0	0
Waters Y (Culverted)	Y	Y	N	11	Perennial	163	1,127	0	0	0	0
Waters DD	Y	Y	Y	12	Intermittent	62	178	0	0	0	0
Waters Y	Y	Y	Y	12	Perennial	177	1,680	0	0	0	0
Waters Y (Culverted)	Y	Y	N	12	Perennial	36	329	0	0	0	0
Waters EE	Y	Y	Y	14	Perennial	34	270	0	0	0	0
Waters Y	Y	Y	Y	14	Perennial	250	2,320	0	0	0	0
Waters Y (Culverted)	Y	Y	N	14	Perennial	18	82	0	0	0	0
Waters V	Y	Y	Y	15	Intermittent	340	1,346	0	0	0	0
Waters V	Y	Y	Y	17	Intermittent	528	3,851	0	0	0	0
Waters V	Y	Y	Y	18	Intermittent	1	1	0	0	0	0
100-Yr Floodplain	N	Y	N	18	100-YR FP	0	0	0	0	1,422	0
Waters V	Y	Y	Y	19	Intermittent	543	2,809	0	0	0	0
100-Yr Floodplain	N	Y	N	19	100-YR FP	0	0	0	0	33,223	0
Waters U (Winters Run)	Y	Y	Y	20	Perennial	212	12,708	0	0	0	0
Waters FF	Y	Y	Y	20	Intermittent	47	269	0	0	0	0
Waters FF (Culverted)	Y	Y	N	20	Intermittent	1	0	0	0	0	0
100-Yr Floodplain	N	Y	N	20	100-YR FP	0	0	0	0	39,572	0
Waters U (Winters Run)	Y	Y	Y	21	Perennial	328	26,918	0	0	0	0
Waters V	Y	Y	Y	21	Intermittent	188	718	0	0	0	0
Waters FF	Y	Y	Y	21	Intermittent	20	112	0	0	0	0
Waters FF (Culverted)	Y	Y	N	21	Intermittent	50	268	0	0	0	0
100-Yr Floodplain	N	Y	N	21	100-YR FP	0	0	0	0	69,228	0
WUS 20C	Y	N	N	22	Ephemeral	84	336	0	0	0	0

I-95 ETL Northbound Extension Phase II
Waterway Impacts - August 2019

Waterway	USACE	MDE	Mitigation Required	Plate #	Classification	Permanent Stream Impacts		Temporary Stream Impacts		Permanent Floodplain Impacts	Temporary Floodplain Impacts
	Regulated	Regulated				LF	SF	LF	SF	SF	SF
Contract KH-3021: Winter's Run Bridge											
100-Yr Floodplain	N	Y	N	2	100-YR FP	0	0	0	0	6,277	0
Waters FF	Y	Y	Y	2	Intermittent	37	187	0	0	0	0
Waters U (Winters Run)	Y	Y	Y	2	Perennial	37	3,034	0	0	0	0
Waters W	Y	Y	Y	2	Perennial	18	88	0	0	0	0
100-Yr Floodplain	N	Y	N	3	100-YR FP	0	0	0	0	663	0
100-Yr Floodplain	N	Y	N	4	100-YR FP	0	0	0	0	3,898	0
Waters FF	Y	Y	Y	4	Intermittent	15	48	0	0	0	0
Waters U (Winters Run)	Y	Y	Y	4	Perennial	24	2,437	0	0	0	0
Waters W	Y	Y	Y	4	Perennial	25	124	0	0	0	0
Contract KH-3022: Clayton Road Overpass Reconstruction											
WUS B-4	Y	N	N	1	Ephemeral	212	1,434	0	0	0	0
Waters G	Y	Y	Y	1	Perennial	145	2,239	0	0	0	0
Waters G (Culverted)	Y	Y	N	1	Perennial	0	0	107	1,181	0	0
WUS A-27	Y	Y	Y	2	Intermittent	7	10	0	0	0	0
WUS A-26	Y	N	N	3	Ephemeral	31	51	0	0	0	0
WUS A-27	Y	Y	Y	3	Intermittent	37	76	0	0	0	0
Contract KH-3023: MD 24/MD 924 Park & Ride											
WUS F-3	Y	Y	Y	1	Intermittent	45	120	0	0	0	0
WUS F-2	Y	Y	Y	1	Intermittent	66	131	0	0	0	0
WUS F-2 (Relocated)	Y	Y	N	1	Intermittent	81	162	0	0	0	0
WUS F-2	Y	Y	Y	2	Intermittent	29	36	0	0	0	0
WUS F-2 (Relocated)	Y	Y	N	2	Intermittent	181	362	0	0	0	0
WUS F-1	Y	Y	Y	2	Intermittent	57	120	0	0	0	0
WUS F-1 (Culverted)	Y	Y	N	2	Intermittent	19	62	0	0	0	0
WUS F-1	Y	Y	Y	2	Perennial	157	839	0	0	0	0
Contract KH-3027: MD 152 Park and Ride Facility Relocation											
WUS E-2	Y	Y	Y	1	Perennial	11	45	0	0	0	0
Contract KH-3030: Noise Wall on SB I-95 at MD 24/Woodsdale											
WUS 17C	Y	Y	Y	1	Perennial	91	701	0	0	0	0
WUS 18C (Haha Branch)	Y	Y	Y	1	Perennial	76	1,318	0	0	0	0
WUS 19C	Y	Y	Y	2	Intermittent	90	371	0	0	0	0
WUS 20C	Y	N	N	2	Ephemeral	308	1,457	0	0	0	0
WUS 20C	Y	N	N	3	Ephemeral	259	1,037	0	0	0	0
Contract KH-3031: Noise Wall on SB I-95 South of Calvary Road											
WUS 2D	Y	Y	Y	2	Intermittent	32	230	0	0	0	0
WUS 2D (Culverted)	Y	Y	N	2	Intermittent	40	120	0	0	0	0
WUS 4D	Y	Y	Y	2	Perennial	50	380	0	0	0	0
WUS 6D	Y	Y	Y	3	Intermittent	46	332	0	0	0	0
WUS 6D (Culverted)	Y	Y	N	3	Intermittent	26	78	0	0	0	0
100-Yr Floodplain	N	Y	N	4	100-YR FP	0	0	0	0	143	0
WUS 5D	Y	Y	Y	5	Intermittent	41	234	0	0	0	0
WUS 5D (Culverted)	Y	Y	N	5	Intermittent	32	96	0	0	0	0
100-Yr Floodplain	N	Y	N	5	100-YR FP	0	0	0	0	365	0
100-Yr Floodplain	N	Y	N	6	100-YR FP	0	0	0	0	3,485	0
100-Yr Floodplain	N	Y	N	7	100-YR FP	0	0	0	0	5,075	0
Contract KH-30XX: ITS and Sign Installation											
100-Yr Floodplain	N	Y	N	1	100-YR FP	0	0	0	0	2,526	0

I-95 ETL Northbound Extension Phase II
Waterway Impacts - August 2019

Waterway	USACE	MDE	Mitigation Required	Plate #	Classification	Permanent Stream Impacts		Temporary Stream Impacts		Permanent Floodplain Impacts	Temporary Floodplain Impacts
	Regulated	Regulated				LF	SF	LF	SF	SF	SF
Contract KH-30XX: Lilly Run Stream Mitigation											
WUS 02	Y	Y	N	1	Perennial	392	3,154	0	0	0	0
WUS 03	Y	N	N	1	Ephemeral	45	91	0	0	0	0
100-Yr Floodplain	N	Y	N	1	100-YR FP	0	0	0	0	0	38,033
WUS 02	Y	Y	N	2	Perennial	391	2,707	0	0	0	0
WUS 03	Y	N	N	2	Ephemeral	71	142	0	0	0	0
WUS 04	Y	Y	N	2	Intermittent	12	23	0	0	0	0
100-Yr Floodplain	N	Y	N	2	100-YR FP	0	0	0	0	0	27,182
WUS 02	Y	Y	N	3	Perennial	86	1,714	0	0	0	0
WUS 02 (Culverted)	Y	Y	N	3	Perennial	305	2,259	0	0	0	0
100-Yr Floodplain	N	Y	N	3	100-YR FP	0	0	0	0	0	47,590
100-Yr Floodplain	N	Y	N	4	100-YR FP	0	0	0	0	0	20,941
WUS 02	Y	Y	N	5	Perennial	136	1,101	0	0	0	0
WUS 02 (Culverted)	Y	Y	N	5	Perennial	1	5	0	0	0	0
100-Yr Floodplain	N	Y	N	5	100-YR FP	0	0	0	0	0	24,814
WUS 01	Y	Y	N	6	Perennial	176	494	0	0	0	0
WUS 01 (Culverted)	Y	Y	N	6	Perennial	12	37	0	0	0	0
100-Yr Floodplain	N	Y	N	6	100-YR FP	0	0	0	0	0	35,111
WUS 02	Y	Y	N	7	Perennial	421	2,696	0	0	0	0
100-Yr Floodplain	N	Y	N	7	100-YR FP	0	0	0	0	0	95,378
WUS 01	Y	Y	N	8	Perennial	128	3,028	0	0	0	0
100-Yr Floodplain	N	Y	N	8	100-YR FP	0	0	0	0	0	8,057
WUS 02	Y	Y	N	9	Perennial	219	1,695	0	0	0	0
100-Yr Floodplain	N	Y	N	9	100-YR FP	0	0	0	0	0	21,316
Contract KH-30XX: Eccleston Mitigation Site											
WUS 04	Y	Y	N	1	Perennial	549	6,963	0	0	0	0
100-Yr Floodplain	N	Y	N	1	100-YR FP	0	0	0	0	0	10,459
WUS 04	Y	Y	N	2	Perennial	186	1,494	0	0	0	0
100-Yr Floodplain	N	Y	N	2	100-YR FP	0	0	0	0	0	17,357
WUS 05	Y	Y	N	3	Perennial	221	3,848	0	0	0	0
WUS 06	Y	Y	N	3	Perennial	16	35	0	0	0	0
100-Yr Floodplain	N	Y	N	3	100-YR FP	0	0	0	0	0	123,418
WUS 05	Y	Y	N	4	Perennial	407	6,221	0	0	0	0
WUS 06	Y	Y	N	4	Perennial	97	302	0	0	0	0
100-Yr Floodplain	N	Y	N	4	100-YR FP	0	0	0	0	0	136,809
WUS 02	Y	Y	N	5	Perennial	70	305	0	0	0	0
WUS 03	Y	Y	N	5	Perennial	234	1,546	0	0	0	0
WUS 05	Y	Y	N	5	Perennial	511	8,364	0	0	0	0
100-Yr Floodplain	N	Y	N	5	100-YR FP	0	0	0	0	0	83,693
WUS 01	Y	Y	N	6	Perennial	144	735	0	0	0	0
WUS 02	Y	Y	N	6	Perennial	343	1,515	0	0	0	0
WUS 02	Y	Y	N	6	Intermittent	146	376	0	0	0	0
WUS 03	Y	Y	N	6	Perennial	54	397	0	0	0	0
WUS 05	Y	Y	N	6	Perennial	319	5,436	0	0	0	0
WUS 13	Y	Y	N	6	Intermittent	143	365	0	0	0	0
WUS 20	Y	Y	N	6	Perennial	75	753	0	0	0	0
100-Yr Floodplain	N	Y	N	6	100-YR FP	0	0	0	0	0	72,747
WUS 01	Y	Y	N	7	Perennial	356	1,652	0	0	0	0
WUS 02	Y	Y	N	7	Intermittent	82	216	0	0	0	0
100-Yr Floodplain	N	Y	N	7	100-YR FP	0	0	0	0	0	60,725
WUS 01	Y	Y	N	8	Perennial	343	1,727	0	0	0	0
100-Yr Floodplain	N	Y	N	8	100-YR FP	0	0	0	0	0	25,048
100-Yr Floodplain	N	Y	N	9	100-YR FP	0	0	0	0	0	18,437
WUS 05	Y	Y	N	10	Perennial	78	884	0	0	0	0
WUS 07	Y	Y	N	10	Intermittent	10	21	0	0	0	0
100-Yr Floodplain	N	Y	N	10	100-YR FP	0	0	0	0	0	12,549
WUS 05	Y	Y	N	11	Perennial	561	7,321	0	0	0	0
WUS 11	Y	Y	N	11	Intermittent	89	248	0	0	0	0
100-Yr Floodplain	N	Y	N	11	100-YR FP	0	0	0	0	0	92,860
WUS 05	Y	Y	N	12	Perennial	208	2,773	0	0	0	0
WUS 20	Y	Y	N	12	Perennial	535	4,475	0	0	0	0
WUS 21	Y	Y	N	12	Intermittent	518	4,920	0	0	0	0
100-Yr Floodplain	N	Y	N	12	100-YR FP	0	0	0	0	0	137,767
WUS 05	Y	Y	N	13	Perennial	24	313	0	0	0	0
WUS 07	Y	Y	N	13	Intermittent	19	38	0	0	0	0
WUS 12	Y	Y	N	13	Perennial	12	45	0	0	0	0
100-Yr Floodplain	N	Y	N	13	100-YR FP	0	0	0	0	0	1,385
WUS 20	Y	Y	N	14	Perennial	491	3,967	0	0	0	0
WUS 21	Y	Y	N	14	Intermittent	45	311	0	0	0	0
100-Yr Floodplain	N	Y	N	14	100-YR FP	0	0	0	0	0	67,978

I-95 ETL Northbound Extension Phase II
Waterway Impacts - August 2019

Waterway	USACE	MDE	Mitigation Required	Plate #	Classification	Permanent Stream Impacts		Temporary Stream Impacts		Permanent Floodplain Impacts	Temporary Floodplain Impacts
	Regulated	Regulated				LF	SF	LF	SF	SF	SF
Roadway Improvement Impact Totals											
USACE Regulated Waterways Totals											
Total Perennial						9,971	115,014	107	1,181	N/A	N/A
Total Intermittent						9,419	53,257	0	0	N/A	N/A
Total Ephemeral						1,811	8,718	0	0	N/A	N/A
USACE TOTAL						21,201	176,989	107	1,181	N/A	N/A
MDE Regulated Waterways Totals											
Total Perennial						9,971	115,014	107	1,181	N/A	N/A
Total Intermittent						9,419	53,257	0	0	N/A	N/A
Total Floodplain						N/A	N/A	N/A	N/A	210,636	0
MDE TOTAL						19,390	168,271	107	1,181	210,636	0
Mitigation Impact Totals											
USACE Regulated Waterways Totals											
Total Perennial						8,101	79,961	0	0	N/A	N/A
Total Intermittent						1,064	6,518	0	0	N/A	N/A
Total Ephemeral						116	233	0	0	N/A	N/A
USACE TOTAL						9,281	86,712	0	0	N/A	N/A
MDE Regulated Waterways Totals											
Total Perennial						8,101	79,961	0	0	N/A	N/A
Total Intermittent						1,064	6,518	0	0	N/A	N/A
Total Floodplain						N/A	N/A	N/A	N/A	0	1,179,654
MDE TOTAL						9,165	86,479	0	0	0	1,179,654
Projectwide Impact Totals											
USACE Regulated Waterways Totals											
Total Perennial						18,072	194,975	107	1,181	N/A	N/A
Total Intermittent						10,483	59,775	0	0	N/A	N/A
Total Ephemeral						1,927	8,951	0	0	N/A	N/A
USACE TOTAL						30,482	263,701	107	1,181	N/A	N/A
MDE Regulated Waterways Totals											
Total Perennial						18,072	194,975	107	1,181	N/A	N/A
Total Intermittent						10,483	59,775	0	0	N/A	N/A
Total Floodplain						N/A	N/A	N/A	N/A	210,636	1,179,654
MDE TOTAL						28,555	254,750	107	1,181	210,636	1,179,654

**I-95 ETL Northbound Extension Phase II
USACE Summary of Impacted Resources - August 2019**

Contract KH-3019: MD 152 Interchange / I-95 NB ETL Two-Lane Extension / MD 152 Noise Wall							
Wetlands							
Wetland Name	Cowardin Classification	Local Waterway	Coordinates (Dec. Degrees)		Delineated Area (SF)	Proposed Impacts (SF)	
			Lat.	Long.		Perm.	Temp.
WET A-1	PEM	Winters Run	39.44110	-76.34453	2,041	1,186	0
WET A-2	PFO	Winters Run	39.441750	-76.34194	468	468	0
WET A-3	PFO	Winters Run	39.44296	-76.33842	25,674	24,999	0
WET A-6	PFO	Winters Run	39.44844	-76.32511	1,224	918	0
WET A-7 PEM	PEM	Winters Run	39.44938	-76.32242	396	396	0
WET A-7 PFO	PFO	Winters Run	39.44928	-76.32236	1,227	35	0
WET A-10 PFO	PFO	Little Gunpowder Falls	39.44085	-76.35450	1,911	983	0
WET A-11	PFO	Little Gunpowder Falls	39.44093	-76.35553	14,286	1,283	0
WET A-14	PFO	Winters Run	39.44354	-76.34136	9,106	2,212	0
WET A-15	PFO	Winters Run	39.44370	-76.33991	1,241	1,241	0
WET A-16	PFO	Little Gunpowder Falls	39.44141	-76.35347	39,936	24,456	0
WET A-17	PFO	Little Gunpowder Falls	39.44146	-76.35802	3,032	1,462	0
WET A-18	PFO	Little Gunpowder Falls	39.44125	-76.35691	7,013	5,127	0
WET A-19	PFO	Winters Run	39.44864	-76.32367	5,172	1,175	0
WET A-20	PEM	Winters Run	39.43760	-76.34451	1,905	1,905	0
WET A-21	PFO	Little Gunpowder Falls	39.44252	-76.36268	2,173	1,930	0
WET 12A	PFO	Little Gunpowder Falls	39.44134	-76.36161	15,105	514	0
WET 13A	PEM	Little Gunpowder Falls	39.44118	-76.35833	18,485	246	0
WET 17A	PFO	Little Gunpowder Falls	39.44264	-76.35332	12,343	1,384	0
WET 35A	PFO	Winters Run	39.44243	-76.34940	3,418	3,418	0
WET 36A	PFO	Winters Run	39.44262	-76.34965	2,508	2,508	0
WET 37A	PFO	Winters Run	39.44244	-76.35012	950	950	0
WET 94A	PFO	Winters Run	39.44310	-76.35000	1,026	1,026	0
Wetland A	PEM	Winters Run	39.44122	-76.34679	1,299	1,299	0
WET B-PEM	PEM	Little Gunpowder Falls	39.44179	-76.36015	2,091	2,091	0
WET B-PFO	PFO	Little Gunpowder Falls	39.44168	-76.36055	12,369	8,697	0
WET C-PEM	PEM	Little Gunpowder Falls	39.44177	-76.36147	293	293	0
WET C-PFO	PFO	Little Gunpowder Falls	39.44178	-76.36129	417	417	0
Wetland C	PEM	Winters Run	39.44163	-76.34514	1,413	1,413	0
Wetland H	PFO	Winters Run	39.44442	-76.33560	6,715	2,298	0
WET L1	PFO	Little Gunpowder Falls	39.44175	-76.35891	1,167	1,167	0
WET L2	PEM	Little Gunpowder Falls	39.44178	-76.35953	1,352	1,352	0
Wetland L	PFO	Winters Run	39.44505	-76.33384	857	857	0
WET N	PEM	Little Gunpowder Falls	39.44164	-76.35586	1,318	1,318	0
WET O	PFO	Little Gunpowder Falls	39.44177	-76.36103	574	574	0
Wetland KK	PFO	Winters Run	39.44506	-76.33618	2,204	716	0
Wetland LL	PEM	Winters Run	39.44448	-76.33730	2,111	37	0
Wetland MM	PFO	Winters Run	39.44434	-76.33780	2,409	1,622	0
Wetland SS	PFO	Winters Run	39.44248	-76.34480	420	420	0
Wetland UU	PFO	Winters Run	39.44268	-76.34389	4,499	4,499	0
Wetland VV	PFO	Winters Run	39.44308	-76.34167	920	74	0
Total					213,069	108,966	0

* To aid data entry into USACE's impact tracking database, resources have been given unique names, and PFO/PEM wetlands are listed as PFO

**I-95 ETL Northbound Extension Phase II
USACE Summary of Impacted Resources - August 2019**

Waterways									
Waterway Name	Stream Classification	Local Waterway	Coordinates (Dec. Degrees)		Delineated Length (LF)	Proposed Impacts (ft)			
			Lat.	Long.		Perm.		Temp.	
					Length	Width	Length	Width	
WUS A-1	Intermittent	Winters Run	39.44184	-76.34174	203	203	4	0	0
WUS A-2	Perennial	Winters Run	39.44338	-76.33754	484	31	3	0	0
WUS A-10	Intermittent	Little Gunpowder Falls	39.44127	-76.35433	106	106	8	0	0
WUS A-13	Intermittent	Winters Run	39.44080	-76.34820	177	170	7	0	0
WUS A-17	Intermittent	Little Gunpowder Falls	39.44103	-76.35210	597	597	2	0	0
WUS A-18	Intermittent	Little Gunpowder Falls	39.44100	-76.35361	322	195	8	0	0
WUS A-19	Intermittent	Little Gunpowder Falls	39.44117	-76.35370	18	18	2	0	0
WUS A-20	Intermittent	Little Gunpowder Falls	39.44125	-76.35575	102	102	3	0	0
WUS A-21	Intermittent	Winters Run	39.44250	-76.34940	510	76	5	0	0
WUS A-24	Intermittent	Winters Run	39.44248	-76.33884	79	52	2	0	0
WUS A-25	Intermittent	Winters Run	39.43706	-76.34372	101	7	3	0	0
WUS 13A-b	Ephemeral	Little Gunpowder Falls	39.44171	-76.35841	43	43	8	0	0
WUS 20A	Perennial	Little Gunpowder Falls	39.44112	-76.36211	1,288	549	8	0	0
WUS 21A	Intermittent	Little Gunpowder Falls	39.44179	-76.36206	74	74	5	0	0
WUS 23A	Perennial	Little Gunpowder Falls	39.44137	-76.35492	1,587	1,085	5	0	0
WUS 24B	Intermittent	Winters Run	39.44418	-76.34976	555	33	9	0	0
WUS 25A	Perennial	Little Gunpowder Falls	39.44080	-76.35401	486	351	8	0	0
WUS 25B	Perennial	Winters Run	39.44302	-76.34825	563	149	4	0	0
WUS 26A	Intermittent	Little Gunpowder Falls	39.44145	-76.35406	396	396	5	0	0
WUS 29A	Ephemeral	Little Gunpowder Falls	39.44249	-76.35307	475	27	6	0	0
WUS 30A	Intermittent	Little Gunpowder Falls	39.44248	-76.35402	225	50	4	0	0
Waters B	Perennial	Winters Run	39.44160	-76.34511	1,053	964	5	0	0
Waters D	Intermittent	Winters Run	39.44133	-76.34482	314	278	7	0	0
Waters E	Intermittent	Winters Run	39.44220	-76.34117	855	701	5	0	0
WUS E	Ephemeral	Little Gunpowder Falls	39.44189	-76.36243	113	113	1	0	0
Waters F	Perennial	Winters Run	39.44323	-76.33832	326	158	6	0	0
Waters G	Perennial	Winters Run	39.44444	-76.33406	5,417	1,305	8	0	0
Waters I	Intermittent	Winters Run	39.44411	-76.33647	109	109	4	0	0
Waters J	Perennial	Winters Run	39.44448	-76.33694	515	269	3	0	0
Waters K	Intermittent	Winters Run	39.44482	-76.33450	198	191	5	0	0
Waters M	Perennial	Winters Run	39.44687	-76.32853	694	436	5	0	0
Waters N	Intermittent	Winters Run	39.44743	-76.32684	255	143	7	0	0
WUS Y	Ephemeral	Little Gunpowder Falls	39.44246	-76.36492	237	130	3	0	0
Waters QQ	Intermittent	Winters Run	39.44255	-76.34776	467	467	4	0	0
Waters TT	Ephemeral	Winters Run	39.44255	-76.34437	82	77	5	0	0
Waters WW	Ephemeral	Winters Run	39.44853	-76.32716	320	289	4	0	0
Total					19,346	9,944	NA	0	NA

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**I-95 ETL Northbound Extension Phase II
USACE Summary of Impacted Resources - August 2019**

Contract KH-3020: I-95 NB ETL Extension to Bynum Run / Noise Wall on NB I-95 North of Abingdon Road									
Wetlands									
Wetland Name	Cowardin Classification	Local Waterway	Coordinates (Dec. Degrees)		Delineated Area (SF)	Proposed Impacts (SF)			
			Lat.	Long.		Perm.		Temp.	
WET D-1	PFO1A	Haha Branch	39.465663	-76.286867	4,757	0		0	
WET G-3	PFO	Bynum Run	39.468069	-76.280604	447	447		0	
WET G-5	PFO	Bynum Run	39.468381	-76.279808	1,326	1,306		0	
WET G-6A	PEM	Bynum Run	39.46891967	-76.28075368	3,489	0		0	
WET G-6B	PFO	Bynum Run	39.468911	-76.280811	1,063	0		0	
Total					11,082	1,753		0	
Waterways									
Waterway Name	Stream Classification	Local Waterway	Coordinates (Dec. Degrees)		Delineated Length (LF)	Proposed Impacts (ft)			
			Lat.	Long.		Perm.		Temp.	
			Length	Width	Length	Width			
WUS C-10 (Haha Branch)	Perennial	Haha Branch	39.461036	-76.299573	162	127	11	0	0
WUS C-13	Intermittent	Haha Branch	39.46518	-76.28802	34	34	9	0	0
WUS C-16	Intermittent	Haha Branch	39.464522	-76.291372	102	13	4	0	0
WUS C-25	Intermittent	Haha Branch	39.46426	-76.290879	352	22	6	0	0
WUS G-3	Intermittent	Bynum Run	39.467729	-76.281844	245	39	15	0	0
WUS G-5	Perennial	Bynum Run	39.468258	-76.280489	144	51	9	0	0
WUS G-7	Intermittent	Bynum Run	39.468051	-76.280552	48	42	7	0	0
WUS G-11	Intermittent	Bynum Run	39.469391	-76.278083	138	49	11	0	0
WUS G-13	Intermittent	Bynum Run	39.46959	-76.277841	128	37	11	0	0
WUS G-15	Ephemeral	Bynum Run	39.472341	-76.274362	40	40	11	0	0
WUS G-18A	Intermittent	Bynum Run	39.474598	-76.271986	472	472	6	0	0
WUS G-18B	Intermittent	Bynum Run	39.474065	-76.272593	104	104	5	0	0
WUS G-20	Intermittent	Bynum Run	39.468643	-76.28112	181	177	4	0	0
WUS 2D	Perennial	Bynum Run	39.469592	-76.277955	161	31	11	0	0
Total					2,311	1,238	NA	0	NA

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**I-95 ETL Northbound Extension Phase II
USACE Summary of Impacted Resources - August 2019**

Contract KH-3021: MD 24 Interchange / ETL Two-Lane Extension									
Wetlands									
<i>Wetland Name</i>	<i>Cowardin Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Area (SF)</i>	<i>Proposed Impacts (SF)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
Wetland AA	PFO	Winters Run	39.45749	-76.31119	262	262		0	
Wetland BB	PFO	Winters Run	39.45599	-76.31309	2,365	2,365		0	
Wetland S	PFO	Winters Run	39.45262	-76.31754	900	900		0	
Wetland X	PFO	Winters Run	39.45296	-76.31681	6,039	6,039		0	
Wetland Z	PFO	Winters Run	39.45695	-76.3114	135	135		0	
WET C-1	PEM	Winters Run	39.45857	-76.31002	11,744	11,744		0	
WET C-2	PSS	Winters Run	39.4583	-76.31022	4,946	4,946		0	
WET C-3	PEM	Haha Branch	39.45912	-76.30349	7,220	7,220		0	
WET C-10	PFO	Winters Run	39.45967	-76.30958	210	210		0	
Total					33,821	33,821		0	
Waterways									
<i>Waterway Name</i>	<i>Stream Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Length (LF)</i>	<i>Proposed Impacts (ft)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
WUS 20C	Ephemeral	Haha Branch	39.459532	-76.305327	651	84	4	0	0
Waters CC	Intermittent	Winters Run	39.455847	-76.313203	46	46	5	0	0
Waters DD	Intermittent	Winters Run	39.456264	-76.312343	62	62	3	0	0
Waters EE	Perennial	Winters Run	39.455636	-76.314946	286	34	8	0	0
Waters FF	Intermittent	Winters Run	39.451202	-76.321705	165	118	6	0	0
Waters OO	Intermittent	Winters Run	39.457786	-76.311135	208	208	6	0	0
Waters U (Winters Run)	Perennial	Winters Run	39.452147	-76.321029	978	540	73	0	0
Waters V	Intermittent	Winters Run	39.451945	-76.318622	1,601	1,600	5	0	0
Waters Y	Perennial	Winters Run	39.451818	-76.320645	5,016	2,790	9	0	0
WUS C-1	Ephemeral	Winters Run	39.457037	-76.312197	110	110	9	0	0
WUS C-2	Intermittent	Winters Run	39.45693	-76.31195	109	109	8	0	0
WUS C-3	Intermittent	Winters Run	39.459451	-76.310227	306	306	7	0	0
WUS C-4	Intermittent	Winters Run	39.457788	-76.309898	315	315	17	0	0
WUS C-5	Intermittent	Winters Run	39.459347	-76.309923	100	100	5	0	0
WUS C-6	Intermittent	Winters Run	39.459277	-76.310262	109	109	6	0	0
WUS C-7	Intermittent	Haha Branch	39.459056	-76.303769	257	257	6	0	0
WUS C-8	Intermittent	Haha Branch	39.458946	-76.304281	354	351	8	0	0
WUS C-9	Ephemeral	Haha Branch	39.459402	-76.303283	42	42	8	0	0
WUS C-11	Ephemeral	Haha Branch	39.45892	-76.303562	61	34	3	0	0
WUS C-12	Ephemeral	Haha Branch	39.458958	-76.303631	12	12	5	0	0
WUS C-28	Perennial	Winters Run	39.4597	-76.309557	442	467	10	0	0
Total					11,230	7,694	NA	0	NA
Contract KH-3021: Winter's Run Bridge									
Wetlands									
<i>Wetland Name</i>	<i>Cowardin Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Area (SF)</i>	<i>Proposed Impacts (SF)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
WET C-12	PFO	Winters Run	39.45896	-76.30363	3,204	138		0	
Total					3,204	138		0	
Waterways									
<i>Waterway Name</i>	<i>Stream Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Length (LF)</i>	<i>Proposed Impacts (ft)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
Waters U (Winters Run)	Perennial	Winters Run	39.45215	-76.32103	978	61	90	0	0
Waters W	Perennial	Winters Run	39.45194	-76.32161	402	43	5	0	0
Waters FF	Intermittent	Winters Run	39.45120	-76.32171	165	52	5	0	0
Total					1,545	156	NA	0	NA

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**I-95 ETL Northbound Extension Phase II
USACE Summary of Impacted Resources - August 2019**

Contract KH-3022: Clayton Road Overpass Reconstruction									
Waterways									
<i>Waterway Name</i>	<i>Stream Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Length (LF)</i>	<i>Proposed Impacts (ft)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
						<i>Length</i>	<i>Width</i>	<i>Length</i>	<i>Width</i>
WUS A-26	Ephemeral	Winters Run	39.44583	-76.33546	178	31	2	0	0
WUS A-27	Intermittent	Winters Run	39.44562	-76.33492	61	44	2	0	0
WUS B-4	Ephemeral	Winters Run	39.44408	-76.33468	212	212	7	0	0
Waters G	Perennial	Winters Run	39.44597	-76.33546	5,502	145	15	107	11
Total					5,953	432	NA	107	NA
Contract KH-3023: MD 24/MD 924 Park & Ride									
Wetlands									
<i>Wetland Name</i>	<i>Cowardin Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Area (SF)</i>	<i>Proposed Impacts (SF)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
						<i>Length</i>	<i>Width</i>	<i>Length</i>	<i>Width</i>
WET F-2	PSS	Haha Branch	39.463459	-76.311722	503	503		0	
WET F-3	PEM	Haha Branch	39.464245	-76.311055	318	318		0	
WET F-4	PFO	Haha Branch	39.46329	-76.311746	892	892		0	
WET F-5	PFO	Haha Branch	39.463465	-76.311552	755	755		0	
WET F-6	PSS	Haha Branch	39.464467	-76.311597	2,114	2,114		0	
Total					4,582	4,582		0	
Waterways									
<i>Waterway Name</i>	<i>Stream Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Length (LF)</i>	<i>Proposed Impacts (ft)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
						<i>Length</i>	<i>Width</i>	<i>Length</i>	<i>Width</i>
WUS F-1 PER	Perennial	Haha Branch	39.462786	-76.3111	458	157	5	0	0
WUS F-1 INT	Intermittent	Haha Branch	39.463353	-76.311645	76	76	2	0	0
WUS F-2	Intermittent	Haha Branch	39.463767	-76.311357	357	357	2	0	0
WUS F-3	Intermittent	Haha Branch	39.464056	-76.311288	45	45	3	0	0
Total					936	635	NA	0	NA
Contract KH-3027: MD 152 Park and Ride Facility Relocation									
Wetlands									
<i>Wetland Name</i>	<i>Cowardin Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Area (SF)</i>	<i>Proposed Impacts (SF)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
						<i>Length</i>	<i>Width</i>	<i>Length</i>	<i>Width</i>
WET E-4	PFO	Little Gunpowder Falls	39.45060	-76.35680	54,445	19,753		0	
Total					54,445	19,753		0	
Waterways									
<i>Waterway Name</i>	<i>Stream Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Length (LF)</i>	<i>Proposed Impacts (ft)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
						<i>Length</i>	<i>Width</i>	<i>Length</i>	<i>Width</i>
WUS E-2	Perennial	Little Gunpowder Falls	39.44960	-76.35880	1,413	11	4	0	0
Total					1,413	11	NA	0	NA
Contract KH-3030: Noise Wall on SB I-95 at MD 24/Woodsdale									
Waterways									
<i>Waterway Name</i>	<i>Stream Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Length (LF)</i>	<i>Proposed Impacts (ft)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
						<i>Length</i>	<i>Width</i>	<i>Length</i>	<i>Width</i>
WUS 17C	Perennial	Haha Branch	39.46233576	-76.29925458	681	91	8	0	0
WUS 18C (HaHa Branch)	Perennial	Haha Branch	39.4618051	-76.30026883	327	76	17	0	0
WUS 19C	Intermittent	Haha Branch	39.45994969	-76.3042755	90	90	4	0	0
WUS 20C	Ephemeral	Haha Branch	39.45949787	-76.30535468	651	567	4	0	0
Total					1,749	824	NA	0	NA
Contract KH-3031: Noise Wall on SB I-95 South of Calvary Road									
Waterways									
<i>Waterway Name</i>	<i>Stream Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Length (LF)</i>	<i>Proposed Impacts (ft)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
						<i>Length</i>	<i>Width</i>	<i>Length</i>	<i>Width</i>
WUS 2D	Intermittent	Bynum Run	39.47080	-76.27832	72	72	5	0	0
WUS 4D	Perennial	Bynum Run	39.47297	-76.27583	3,207	50	8	0	0
WUS 5D	Intermittent	Bynum Run	39.47514	-76.27299	107	73	5	0	0
WUS 6D	Intermittent	Bynum Run	39.47222	-76.27659	207	72	6	0	0
Total					3,593	267	NA	0	NA
Contract KH-30XX: ITS and Sign Installation									
No USACE-regulated resources will be impacted.									

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**I-95 ETL Northbound Extension Phase II
USACE Summary of Impacted Resources - August 2019**

Contract KH-30XX: Lilly Run Stream Mitigation									
Wetlands									
<i>Wetland Name</i>	<i>Cowardin Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Area (SF)</i>	<i>Proposed Impacts (SF)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
WET 02A Lilly	PEM	Susquehanna River	39.54860	-76.09840	1,783	0		48	
Total					1,783	0		48	
Waterways									
<i>Waterway Name</i>	<i>Stream Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Length (LF)</i>	<i>Proposed Impacts (ft)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
WUS 01 Lilly	Perennial	Susquehanna River	39.54768	-76.09781	471	316	11	0	0
WUS 02 Lilly	Perennial	Susquehanna River	39.54730	-76.09848	2,470	1,951	8	0	0
WUS 03 Lilly	Ephemeral	Susquehanna River	39.54465	-76.09780	116	116	2	0	0
WUS 04 Lilly	Intermittent	Susquehanna River	39.54497	-76.09776	12	12	2	0	0
Total					3,069	2,395	NA	0	NA
Contract KH-30XX: Eccleston Mitigation Site									
Wetlands									
<i>Wetland Name</i>	<i>Cowardin Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Area (SF)</i>	<i>Proposed Impacts (SF)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
WET 01 PFO	PFO	Jones Falls	39.40684	-76.73512	23,861	0		23,861	
WET 01 PEM	PEM	Jones Falls	39.40693	-76.73483	17,581	0		17,581	
WET 01 PSS	PSS	Jones Falls	39.40697	-76.73547	6,258	0		6,258	
WET 02 PFO	PFO	Jones Falls	39.40732	-76.73393	8,817	0		8,817	
WET 02 PEM	PEM	Jones Falls	39.40711	-76.73370	2,998	0		2,998	
WET 02A	PEM	Jones Falls	39.40680	-76.73324	179	0		179	
WET 03	PEM	Jones Falls	39.40695	-76.73299	517	0		517	
WET 04 PFO	PFO	Jones Falls	39.40739	-76.73026	18,334	0		18,834	
WET 04 PEM	PEM	Jones Falls	39.40768	-76.72997	17,548	0		16,917	
WET 05	PEM	Jones Falls	39.40726	-76.73007	1,406	0		1,406	
WET 06 PFO	PFO	Jones Falls	39.40648	-76.73077	28,752	0		16,704	
WET 06 PEM	PEM	Jones Falls	39.40659	-76.73178	30,496	0		30,496	
WET 07	PFO	Jones Falls	39.40914	-76.73744	17,424	0		25	
WET 09 PFO	PFO	Jones Falls	39.40849	-76.73846	155,021	0		12,683	
WET 09 PEM	PEM	Jones Falls	39.40841	-76.74003	44,443	0		1,720	
WET 10	PUB	Jones Falls	39.40906	-76.73596	5,235	0		5,235	
WET 11	PEM	Jones Falls	39.40747	-76.73443	739	0		739	
WET 12	PEM	Jones Falls	39.40649	-76.73441	4,350	0		4,350	
WET 20	PEM	Jones Falls	39.40835	-76.73580	1,727	0		1,727	
WET 21	PEM	Jones Falls	39.40776	-76.73504	1,373	0		1,373	
WET 22	PEM	Jones Falls	39.40858	-76.73497	4,362	0		4,362	
Total					391,421	0		176,782	
Waterways									
<i>Waterway Name</i>	<i>Stream Classification</i>	<i>Local Waterway</i>	<i>Coordinates (Dec. Degrees)</i>		<i>Delineated Length (LF)</i>	<i>Proposed Impacts (ft)</i>			
			<i>Lat.</i>	<i>Long.</i>		<i>Perm.</i>		<i>Temp.</i>	
WUS 01	Perennial	Jones Falls	39.40654	-76.73679	874	843	5	0	0
WUS 02 Per	Perennial	Jones Falls	39.40683	-76.73415	420	413	4	0	0
WUS 02 Int	Intermittent	Jones Falls	39.40663	-76.73519	228	228	3	0	0
WUS 03	Perennial	Jones Falls	39.40692	-76.73328	288	288	7	0	0
WUS 04	Perennial	Jones Falls	39.40983	-76.73019	735	735	12	0	0
WUS 05	Perennial	Jones Falls	39.40738	-76.73473	3,800	2,329	15	0	0
WUS 06	Perennial	Jones Falls	39.40686	-76.73087	113	113	3	0	0
WUS 07	Intermittent	Jones Falls	39.40873	-76.73698	29	29	2	0	0
WUS 11	Intermittent	Jones Falls	39.40844	-76.73670	258	89	3	0	0
WUS 12	Perennial	Jones Falls	39.40876	-76.73714	43	12	4	0	0
WUS 13	Intermittent	Jones Falls	39.40912	-76.73451	143	143	3	0	0
WUS 20	Perennial	Jones Falls	39.40777	-76.73442	1,160	1,101	8	0	0
WUS 21	Intermittent	Jones Falls	39.40791	-76.73487	563	563	9	0	0
Total					8,654	6,886	NA	0	NA

* To aid data entry into USACE's impact tracking database, resources have been given unique names, and PFO/PEM wetlands are listed as PFO

**I-95 ETL Northbound Extension Phase II
Required Mitigation - August 2019**

<i>Stream Impacts Requiring Mitigation</i>			<i>Mitigation Ratio</i>	<i>Required Mitigation</i>	
<i>Flow</i>	<i>(LF)</i>	<i>(SF)</i>		<i>(LF)</i>	<i>(SF)</i>
USACE					
Perennial	6,058	92,193	1:1	6,058	92,193
Intermittent	7,155	44,342	1:1	7,155	44,342
Ephemeral	0	0	1:1	0	0
USACE TOTAL	13,213	136,535	N/A	13,213	136,535
MDE					
Perennial	6,058	92,193	1:1	6,058	92,193
Intermittent	7,155	44,342	1:1	7,155	44,342
MDE TOTAL	13,213	136,535	N/A	13,213	136,535

<i>Wetland Impacts Requiring Mitigation (SF)</i>			<i>Mitigation Ratio</i>	<i>Required Mitigation</i>	
<i>Cover Type</i>	<i>(SF)</i>	<i>(AC)</i>		<i>(SF)</i>	<i>(AC)</i>
USACE					
PEM	30,818	0.71	1:1	30,818	0.71
PSS	7,563	0.17	2:1	15,126	0.35
PFO	128,334	2.95	2:1	256,668	5.89
PFO/PEM	2,298	0.05	2:1	4,596	0.11
USACE TOTAL	169,013	3.88	N/A	307,208	7.05
MDE					
PEM	31,038	0.71	1:1	31,038	0.71
PSS	7,563	0.17	2:1	15,126	0.35
PFO	133,779	3.07	2:1	267,558	6.14
PFO/PEM	2,298	0.05	2:1	4,596	0.11
MDE TOTAL	174,678	4.01	N/A	318,318	7.31