EAST LEG - Results of 2018 ROV Inspection and Related Data

ATTACHMENT A

* All Measurements given in "feet" Span Identifier	2018 Length	2018 Span Height (Approximate)	2018 Support Length	2016 Length	2014 Length	2012 Length	2010 Length	2007 Length	2006 Length	2005 Length	Touch Down Position and Type (Year Install)	Support Depth	Anchors Installed in 2018	Anchors Proposed to be Installed in 2019
Southern Exposure Point	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Only/Sand	69		
E-75	NA	NA	NA	NA	NA	Silted In	70	69	73	80	NA	NA		
											NA	NA		
E-74A	49	0.5	238 to Southern Exposure^^	52	50	80	61	67	67	71	South/Sand	72		1
											North/Anchor (2004)	73		
E-74B South	66	0.5	1 Shared Touch Down ^	66	70	56	109	100			South/Anchor (2004)	73		
											North/Anchor (2010)	74		
E-74B North	45	0.5	1 Shared Touch Down ^	46	47	48					South/Anchor (2010)	74		
											North/Anchor (2006)	73		
E-74C	15	1	1 Shared Touch Down ^	18	28	16	13	14			South/Anchor (2006)	73		
											North/Sand	72		
E-71A	27	0.5	131 to E-74C^	36	30	76	87	86	86	84	South/Sand	74		
											North/Anchor (2014)	74		
E-71B	48	0.5	1 Shared Touch Down ^	47	49						South/Anchor (2014)	74		
											North/Anchor (2005)	75		
E-72	36	0.5	1 Shared Touch Down ^	43	44	40	40	38	36	48	South/Anchor (2005)	75		
											North/Sand	75		
E-77	48	1	17 to E-72^	48	37	34	44	52	44	42	South/Sand	75		1
											North/Sand	75		
E-26	52	1	177 to E-77^	48	54	48	54	45	48	51	South/Clay	79		1
											North/Sand	79		
E-25A	42	0.5	57 to E-26^	60	38	87	91	85	84	96	South/Sand	84		1
											North/Anchor (2014)	83		
E-25B	28	0.5	1 Shared Touch Down ^	34	48						South/Anchor (2014)	83		
											North/Sand	82		
E-24	41	0.5	115 to E-25B^	46	44	44	50	45	46	37	South/Sand	84		
											North/Sand	85		
E-23A South	22	0.5	105 to E-24^	25	28	86	85	81	86	84	South/Sand	86		
											North/Anchor (2014)	88		
E-23A North	57	0.5	1 Shared Touch Down ^	58	58						South/Anchor (2014)	88		
											North/Anchor (2003)	88		
E-23B South	60	0.5	1 Shared Touch Down ^	60	61	66	87	86	90	90	South/Anchor (2003)	88		
											North/Anchor (2012)	87		
E-23B North	22	1	1 Shared Touch Down ^	32	31	26					South/Anchor (2012)	87		
											North/Sand	86		
E-27	67	0.5	85 to E-23B North^	59	63	58	69	65	66	74	South/Sand	85		1
											North/Sand	84		
E-28A South	42	1	45 to E-27^	36	37	70	81	73	74	81	South/Sand	85		
											North/Anchor (2014)	86		
E-28A North	35	1	1 Shared Touch Down ^	34	38						South/Anchor (2014)	86		
											North/Anchor (2005)	86		
E-28B	64	1	1 Shared Touch Down ^	58	63	66	69	65	64	72	South/Anchor (2005)	86		1
											North/Sand	84		
E-29A	48	1	27 to E-28B^	57	59	60	55	44	63	53	South/Sand	84	1	1
											North/Anchor (2018)	82		
E-29B	9	1	1 Shared Touch Down ^								South/Anchor (2018)	82		
											South/Sand	81		
E-30A	42	1	14 to E-29B^	39	38	72	83	82	82	89	South/Sand	81		
											North/Anchor (2014)	80		

E-30B	39	1	1 Shared Touch Down ^	38	36						South/Anchor (2014)	80		
											North/Sand	79		
E-38	35	1	78 to E-30B^	36	36	34	45	32	37	46	South/Sand	76		
											North/Sand	75		
E-37	54	1	165 to E-38^	52	56	54	54	50	54	53	South/Sand	77		1
											North/Sand	77		
E-36	41	0.5	12 to E-37^	45	50	42	41	48	42	34	South/Sand	76		1
											North/Sand	76		
E-35A	34	0.5	46 to E-36^	32	36	60	67	66	67	63	South/Sand	76		1
											North/Anchor (2014)	78		
E-35B	35	0.5	1 Shared Touch Down ^	38	36						South/Anchor (2014)	78		
											North/Sand	79		
E-34A	59	1	21 to E-35B^	59	58	58	62	54	61	59	South/Sand	80		1
											North/Anchor (2003)	82		
E-34B South	52	1	1 Shared Touch Down ^	51	53	73	80	82	74	75	South/Anchor (2003)	82		
											North/Anchor (2014)	81		
E-34B North	20	1	1 Shared Touch Down ^	26	21						South/Anchor (2014)	81		
											North/Sand	82		
E-33	40	1	112 to E-34B North^	50	43	46	52	47	45	39	South/Sand	85		
											North/Sand	89		
E-32A-A	6	0.5	26 to E-33^	Silted In	6	Silted in	11	17			South/Clay	91		
											North/Anchor (2006)	91		
E-32A South	41	1	1 Shared Touch Down ^	41	40	47	92	89			South/Anchor (2006)	91		
											North/Anchor (2012)	95		
E-32A North	48	1.5	1 Shared Touch Down ^	49	47	40					South/Anchor (2012)	95		
											North/Anchor (2003)	97		
E-32B South	63	1	1 Shared Touch Down ^	66	67	88	87	97	85	79	South/Anchor (2003)	97		
											North/Anchor (2014)	99		
E-32B North	21	1	1 Shared Touch Down ^	23	22						South/Anchor (2014)	99		
											North/Clay	98		
E-31	34	1	24 to E-32B North^	34	36	34	36	42	42	37	South/Clay	98		
											North/Clay	99		
E-39A	45	1	57 to E-31^	48	63	74	83	67	78	66	South/Clay	101		
											North/Anchor (2016)	101		
E-39B	30	1	1 Shared Touch Down ^	29							South/Anchor (2016)	101		
											North/Sand	101		
E-40A	20	1	356 to E-39B^	25	22	85	82	80	90	97	South/Sand	106		
											North/Anchor (2014)	107		
E-40B	66	1	1 Shared Touch Down ^	66	60						South/Anchor (2014)	107		1
											North/Sand	107		
E-46	51	1	210 to E-40B^	51	46	86	93	82	72	58	South/Sand	107		1
											North/Anchor (2006)	107		
E-45A	60	1	1 Shared Touch Down ^	60	58	53	50	49	62	72	South/Anchor (2006)	107		
											North/Anchor (2014)	107		
E-45B	27	1	1 Shared Touch Down ^	27	28						South/Anchor (2014)	107		
											North/Clay	105		
E-44	36	1	150 to E-45B^	45	45	45	37	33	40	37	South/Clay	103		
											North/Clay	101		
E-43	53	1	66 to E-44^	51	56	54	54	59	54	54	South/Clay	105		
											North/Clay	106		
E-42 South	48	1.5	35 to E-43^	46	39	45	91	97	97	103	South/Clay	106		
											North/Anchor (2012)	106		
E-42 North	44	1.5	1 Shared Touch Down ^	50	46	52					South/Anchor (2012)	106		
											North/Clay	104		
E-41A	43	1	129 to E-42 North^	71	71	70	74	77	68	84	South/Clay	101	1	
											North/Anchor (2018)	101		
E-41B	24	1	1 Shared Touch Down ^								South/Anchor (2018)	101		
											South/Clay	101		

E-47A	39	1	148 to E-41B^	39	45	76	75	75	74	75	South/Clay	101		
											North/Anchor (2014)	103		
E-47B	33	1	1 Shared Touch Down ^	35	28						South/Anchor (2014)	103		
											North/Clay	103		
E-48A	50	1.5	18 to E-47B^	50	55	48	59	48	55		South/Clay	103		
											North/Anchor (2005)	105		
E-48B South	56	1	1 Shared Touch Down ^	55	60	67	66	82	68		South/Anchor (2005)	105		
											North/Anchor (2014)	104		
E-48B North	11	1	1 Shared Touch Down ^	15	14						South/Anchor (2014)	104		
											North/Clay	104		
E-79	NA	NA	NA	NA	NA	NA	Filled In	19	13		NA	NA		
											NA	NA		
E-70	51	1	392 to E-48B North^^	54	52	53	54	53	47	52	South/Clay	113		1
											North/Clay	114		
E-66A South	19	1	11 to E-70^	20	22	22	97	89	97		South/Clay	114		
											North/Anchor (2012)	114		
E-66A North	72	0.5	1 Shared Touch Down ^	72	72	77					South/Anchor (2012)	114		
											North/Anchor (2005)	116		
E-66B	49	1	1 Shared Touch Down ^	49	52	56	89	89	81		South/Anchor (2005)	116		1
											North/Clay	116		
E-56A	40	1.5	37 to E-66B^	39	44	45	44	33			South/Clay	116		
											North/Anchor (2006)	117		
E-56B	41	2	1 Shared Touch Down ^	41	46	44	42	48			South/Anchor (2006)	117		
											North/Clay	115		
E-55	44	1	36 to E-56B^	45	46	45	46	41	50	43	South/Clay	116		
											North/Clay	117		
E-54A	58	3	18 to E-55^	58	57	58	62	59	66		South/Clay	117		
											North/Anchor (2005)	124		
E-54B	46	2.5	1 Shared Touch Down ^	39	33	32	37	39	29		South/Anchor (2005)	124		
											North/Anchor (2018)	126		
E-53A	32	3	1 Shared Grout Bags ^	41	44	44	38	33	43		South/Anchor (2018)	126	1	
											North/Anchor (2005)	127		
E-53B	60	3	1 Shared Touch Down ^	66	60	57	64	71	63		South/Anchor (2005)	127		1
											North/Clay	130		
E-52A	9	2.5	9 toE-53B^	7	10	9	15	14	18		South/Clay	130		
											North/Anchor (2012)	131		
E-52B	8	3	1 Shared Touch Down ^	10	8	8					South/Anchor (2012	131		
											North/Clay	131		
E-49C	46	2	13 to E-52B^	42	51	48	46	36	53	44	South/Clay	132		
											North/Anchor (2004)	136		
E-49B South	49	2	1 Shared Touch Down ^	49	42	86	85	82	87	101	South/Anchor (2004)	136		
											North/Anchor (2014)	139		
E-49B North	38	2	1 Shared Touch Down ^	47	45						South/Anchor (2014)	139		
											North/Anchor (2004)	142		
E-49A South	63	1	1 Shared Touch Down ^	62	67	87	75	93	95	86	South/Anchor (2004)	142		
											North/Anchor (2014)	143		
E-49A North	24	1	1 Shared Touch Down ^	21	23						South/Anchor (2014)	143		
											North/Clay	144		
E-58	64	3	79 to E-49A North^	63	62'	60	51	66	61	61	South/Clay	144		
											North/Clay	147		
E-61A-A	55	3	193 to E-58^	54	57	52	47	59			South/Clay	140		
											North/Anchor (2006)	148		
E-61A	64	4	1 Shared Touch Down ^	66	63	65	61	68	120	129	South/Anchor (2006)	148		
											North/Anchor (2004)	148		
E-61B South	43	4	1 Shared Touch Down ^	44	46	52					South/Anchor (2004)	148		
											North/Anchor (2012)	151		
E-61B North	66	3	1 Shared Touch Down ^	66	70	62	114	113	115	125	South/Anchor (2012)	151		
											North/Anchor (2004)	150		

E-61C South	53	3	1 Shared Touch Down ^	53	57	61	85	90	83	78	South/Anchor (2004)	150		
											North/Anchor (2012)	145		
E-61C North	29	2.5	1 Shared Touch Down ^	28	29	31					South/Anchor (2012)	145		
											North/Clay	142		
E-62	37	1.5	47 to E-61C North^	37	39	37	32	29	38	34	South/Clay	138		
											North/Clay	133		
E-63	19	1	15 to E-62^	19	21	18	23	22	22	15	South/Clay	132		
											North/Clay	133		
E-64	46	1	24 to E-63^	47	49	52	47	51	48	52	South/Clay	135		
											North/Clay	135		
E-22A	65	4	33 to E-64^	65	70	76	80	74	76	79	South/Clay	133		
											North/Anchor (2014)	133		1
E-22B	14	1	1 Shared Touch Down ^	14	7						South/Anchor (2014)	133		
											North/Clay	133		
E-21	51	0.5	38 to E-22B^	51	53	50	43	48	52	51	South/Clay	131		
											North/Clay	132		
E-20	7	0.5	44 to E-21^	NA	NA	NA	Filled In	23	25		NA	NA		
											NA	NA		
E-19A South	22	0.5	16 to E-20^	23	23	75	87	76	78	107	South/Clay	136		
											North/Anchor (2014)	139		
E-19A North	60	0.5	1 Shared Touch Down ^	60	60						South/Anchor (2014)	139		
											North/Anchor (2003)	143		
E-19B South	59	1	1 Shared Touch Down ^	59	58	82	75	80	81	73	South/Anchor (2003)	143		
											North/Anchor (2014)	147		
E-19B North	20	0.5	1 Shared Touch Down ^	22	24						South/Anchor (2014)	147		
											North/Clay	148		
E-18B	25	0.5	36 to E-19B North^	27	22	23	25	22	25	16	South/Clay	151		
											North/Clay	154		1
E-18C	12	0.5	3 to E-18B^	8	15	Silted in	16				South/Clay	154		
											North/Clay	157		
E-18A	12	0.5	6 to E-18C^	18	17	16	21	22	18	29	South/Clay	157		
											North/Clay	159		1
E-17	43	0.5	39 to E-18A^	36	38	39	36	40	31	44	South/Clay	164		
											North/Clay	170		
E-16	36	2.5	72 to E-17^	38	42	38	48	36	38	47	South/Clay	178		
											North/Clay	187		1
E-15A	24	1	12 to E-16^	23	28	31	29	25	28		South/Sand	187		
											North/Anchor (2005)	195		
E-15B	64	1	1 Shared Touch Down ^	49	50	52	52	51	47		South/Anchor (2005)	207		
											North/Anchor (2008)	209	1	
E-08A	43	1	1 Shared Grout Bags ^	56	58	56	54	65	56	62	South/Anchor (2018)	209		
											North/Anchor (2003)	219		
E-8B	72	2	1 Shared Touch Down ^	72	69	70	71	66	73		South/Anchor (2003)	219		
											North/Anchor (2005)	227		
E-08C/D South	50	3	1 Shared Touch Down ^	50	58	76	39	79	97		South/Anchor (2005)	227		
							20				North/Anchor (2014)	230		
E-08C/D North	33	2	1 Shared Touch Down ^	36	18						South/Anchor (2014)	230		
											North/Sand	230		
E-09	37	0.5	12 to E-08C/D North^	38	35	41	33	33	40	39	South/Sand	232		
											North/Sand	233		1
E-10	39	2	77 to E-09^	40	47	52	50	49	44		South/Clay	232		
											North/Clay	233		1
E-11A	66	2	4 to E-10^	69	66	63	70	74	69		South/Clay	233	1	
											North/Anchor (2018)	231		1
E-11B	4	0.5	1 Shared Touch Down ^								South/Anchor (2018)	231		
											North/Clay	231		
E-12	35	1	55 to E-11^	34	34	39	41	88	81	81	South/Clay	231		
											North/Clay	230		1

E-13A	35	1	62 to E-12^	30	29	27	32	40	34	36	South/Clay	231		
											North/Anchor (2004)	233		
E-13B South	55	1	1 Shared Touch Down ^	55	58	56	106	116	112	115	South/Anchor (2004)	233		
											North/Anchor (2010)	231		
E-13B North	56	1	1 Shared Touch Down ^	56	57	56					South/Anchor (2010)	231		
											North/Anchor (2004)	229		
E-13C South	52	1.5	1 Shared Touch Down ^	51	51	48	107	105	99	102	South/Anchor (2004)	229		
											North/Anchor (2010)	228		
E-13C North	53	1.5	1 Shared Touch Down ^	56	52	56					South/Anchor (2010)	228		
											North/Clay	219		
E-3A	31	1	131 to E-13C North^	30	27	87	76	68	90	62	South/Clay	220		
											North/Anchor (2014)	224		
E-3B	37	1	1 Shared Touch Down ^	40	53						South/Anchor (2014)	224		
											North/Clay	220		
E-76A	14	1	7 to E-3B^	15	NA	NA	Silted In	18	20	82	South/Clay-Sand	220		
											North/Anchor (2005)	220		
E-76B	57	1	1 Shared Touch Down ^	56	58	58	66	43	59		South/Anchor (2005)	220		
											North/Clay-Sand	220		
E-02A South	26	0.5	241 to E-76B^	21	15	76	80	80			South/Sand	221		
											North/Anchor (2014)	221		
E-02A North	46	0.5	1 Shared Touch Down ^	46	55						South/Anchor (2014)	221		
											North/Anchor (2006)	221		
E-02B	28	0.5	1 Shared Touch Down ^	26	26	32	30	33			South/Anchor (2006)	221		
											North/Sand	219		
E-01A South	24	2.5	18 to E-02B^	24	28	81	85	84	88	88	South/Sand	219		
											North/Anchor (2014)	220		
E-01A North	60	2	1 Shared Touch Down ^	62	53						South/Anchor (2014)	220		
											North/Anchor (2003)	220		
E-01B-A South	52	3	1 Shared Touch Down ^	51	53	39	100	96	96	107	South/Anchor (2003)	220		
											North/Anchor (2012)	215		
E-01B-A North	42	2	1 Shared Touch Down ^	42	43	53					South/Anchor (2012)	215		
											North/Anchor (2004)	209		
E-01B-B	58	2	1 Shared Touch Down ^	52	48	82	62	74	68	65	South/Anchor (2004)	209		1
											North/Sand	200		
E-04A South	17	1	62 to E-01B-B^	14	17	84	82	84	101		South/Sand	189		
											North/Anchor (2014)	188		
E-04A North	65	1	1 Shared Touch Down ^	65	59						South/Anchor (2014)	188		
											North/Anchor (2006)	179		
E-04B	30	1	1 Shared Touch Down ^	20	19	20	26	23	101		South/Anchor (2006)	179		
											North/Sand	176		
E-05A South	14	1	37 to E-04B^	13	27	80	75	82	77	74	South/Sand	172		1
											North/Anchor (2014)	169		
E-05A North	60	1	1 Shared Touch Down ^	60	55						South/Anchor (2014)	169		
											North/Anchor (2003)	160		
E-05B	55	1	1 Shared Touch Down ^	58	67	65	63	62	57	61	South/Anchor (2003)	160		1
											North/Sand	149		
E-06	67	1	230 to E-05B^	59	52	60	60	76	65	67	South/Sand	119		1
											North/Sand	114		
E-07	63	0.5	26 to E-06^	60	52	62	72	74	69	70	South/Sand	107		1
											North/Sand	100		
E-65A	54	0.5	468 to E-07^	56	62	64	67	67	59		South/Sand	69		1
											North/Anchor (2005)	69		
E-65B	60	1	1 Shared Touch Down ^	52	61	61	60	65	64		South/Anchor (2005)	69		
											North/Sand	69		
Northern Exposure Point	NA	NA	137 to E-65B	NA	NA	NA	NA	NA	NA	NA	Only/Sand	66		
Total Span Length:	**5,652**	**Total Support Length:**	**5,476**										**5**	**30**

Span Identifier Legend	
W or E	Identifies if the span is located on the West of East leg of Line 5
##	Identifies the sequence or order of when that span was originally discovered
A,B,C &/or North, South	Identifies that the original span has been mitigated in the past

Legend	
	Colors used to separate spans for ease of viewing
	Color used to denote future anchor to be installed between spans and not within span
	Color used to denote anchors proposed as result of 2018 ROV inspection
^	Denotes distance referenced to span above
^^	Denotes distance referenced to two spans above

Installed Anchor Totals to Date

East	
2003	7
2004	8
2005	9
2006	7
2010	3
2012	8
2014	23
2016	1
Total	66

West	
2003	11
2004	8
2005	3
2006	6
2010	4
2012	9
2014	17
2016	3
Total	61

Total Length from Southern to Northern Exposure Points:	**11,054**

Total Span Length:	**5,652**
Total Support Length:	**5,476**
Total:	**11,128**
Difference to Exposure	**74**

Difference attributed to rounding