

Civil Engineering Survey

ONLINE Fieldwork : 18th-19th April 2012

Absolutes/col percents

Table 1
Q.1 Do you agree or disagree with each of the following statements?
Base: All respondents

	Gender			Age						Social Class				Region				
	Total	Male	Female	18-24	25-34	35-44	45-54	55-64	65+	AB	C1	C2	DE	South East	Mid-lands	North Eng-land	Wales & South West	Scot-land
Unweighted base	2048	973	1075	202	340	405	361	340	400	720	530	317	481	537	553	530	275	153
Weighted base	2048	1004	1044	246	328	389	348	307	430	553	594	430	471	520	541	514	295	178
<u>I do not understand what civil engineers actually do</u>																		
Agree	765 37%	261 26%	504 48%	138 56%	151 46%	172 44%	119 34%	85 28%	100 23%	174 31%	230 39%	162 38%	198 42%	181 35%	214 40%	199 39%	118 40%	53 30%
Disagree	1106 54%	671 67%	435 42%	83 34%	138 42%	172 44%	200 57%	203 66%	310 72%	344 62%	315 53%	242 56%	206 44%	279 54%	278 51%	284 55%	154 52%	111 62%
Don't know	177 9%	72 7%	105 10%	25 10%	38 12%	45 12%	29 8%	19 6%	21 5%	35 6%	48 8%	26 6%	67 14%	61 12%	48 9%	31 6%	23 8%	14 8%
<u>'The news surrounding the construction of the London 2012 Olympic park and venues, has increased my awareness of civil engineering'</u>																		
Agree	492 24%	269 27%	222 21%	64 26%	77 24%	72 19%	80 23%	76 25%	122 28%	137 25%	127 21%	128 30%	100 21%	160 31%	120 22%	115 22%	63 21%	33 19%
Disagree	1236 60%	593 59%	643 62%	132 54%	186 57%	245 63%	223 64%	200 65%	249 58%	346 63%	388 65%	237 55%	265 56%	283 54%	326 60%	317 62%	189 64%	121 68%
Don't know	320 16%	141 14%	179 17%	50 20%	64 20%	71 18%	45 13%	31 10%	59 14%	70 13%	79 13%	65 15%	106 23%	77 15%	94 17%	81 16%	43 15%	24 13%

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Table 1
Q.1 Do you agree or disagree with each of the following statements?
Base: All respondents

	Total	Children under 18						Highest educational level	
		NET: No children under 18	NET: Children under 18	under 5	5 to 10	11 to 15	16 to 18	Net: University degree or above	Net: Below university degree
Unweighted base	2048	1401	593	228	251	238	141	824	1182
Weighted base	2048	1422	567	213	243	224	142	764	1243
<u>I do not understand what civil engineers actually do</u>									
Agree	765 37%	488 34%	256 45%	109 51%	110 45%	94 42%	48 34%	229 30%	519 42%
Disagree	1106 54%	821 58%	258 46%	78 36%	115 47%	110 49%	83 59%	488 64%	604 49%
Don't know	177 9%	113 8%	53 9%	26 12%	17 7%	20 9%	11 7%	47 6%	120 10%
<u>'The news surrounding the construction of the London 2012 Olympic park and venues, has increased my awareness of civil engineering'</u>									
Agree	492 24%	329 23%	151 27%	56 26%	56 23%	63 28%	36 25%	182 24%	305 25%
Disagree	1236 60%	886 62%	320 56%	110 52%	148 61%	134 60%	83 59%	479 63%	735 59%
Don't know	320 16%	207 15%	96 17%	47 22%	39 16%	27 12%	22 16%	103 14%	203 16%

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Table 2

Q.1 Do you agree or disagree with each of the following statements?

Base: All respondents

	Gender			Age						Social Class				Region				
	Total	Male	Female	18-24	25-34	35-44	45-54	55-64	65+	AB	C1	C2	DE	South East	Mid-lands	North Eng-land	Wales & South West	Scot-land
Unweighted base	2048	973	1075	202	340	405	361	340	400	720	530	317	481	537	553	530	275	153
Weighted base	2048	1004	1044	246	328	389	348	307	430	553	594	430	471	520	541	514	295	178
'Seeing the role that civil engineers have played in the construction of the London Olympic park and venues, has helped me appreciate the importance of civil engineering to society'																		
Agree	699	380	320	85	92	100	105	109	207	204	177	174	145	201	161	171	101	65
	34%	38%	31%	35%	28%	26%	30%	36%	48%	37%	30%	40%	31%	39%	30%	33%	34%	36%
Disagree	869	444	425	80	138	189	169	136	157	247	280	154	187	192	242	227	133	75
	42%	44%	41%	33%	42%	49%	48%	44%	36%	45%	47%	36%	40%	37%	45%	44%	45%	42%
Don't know	480	180	300	80	97	100	75	62	66	101	137	102	140	128	137	115	62	38
	23%	18%	29%	33%	30%	26%	21%	20%	15%	18%	23%	24%	30%	25%	25%	22%	21%	21%
'When I think about what civil engineers do, I mainly think of bridges'																		
Agree	631	301	329	94	82	124	113	98	119	149	184	144	153	170	152	154	101	54
	31%	30%	32%	38%	25%	32%	32%	32%	28%	27%	31%	34%	33%	33%	28%	30%	34%	30%
Disagree	1088	574	513	101	167	178	197	180	265	337	321	225	204	266	285	280	159	98
	53%	57%	49%	41%	51%	46%	56%	59%	62%	61%	54%	52%	43%	51%	53%	55%	54%	55%
Don't know	330	128	202	51	79	86	39	29	46	67	89	60	114	85	103	80	36	26
	16%	13%	19%	21%	24%	22%	11%	9%	11%	12%	15%	14%	24%	16%	19%	16%	12%	15%

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Unweighted base	2048	1401	593	228	251	238	141	824	1182
Weighted base	2048	1422	567	213	243	224	142	764	1243
'Seeing the role that civil engineers have played in the construction of the London Olympic park and venues, has helped me appreciate the importance of civil engineering to society'									
Agree	699 34%	506 36%	180 32%	59 27%	72 29%	74 33%	47 33%	282 37%	407 33%
Disagree	869 42%	604 42%	245 43%	83 39%	114 47%	106 47%	63 44%	345 45%	511 41%
Don't know	480 23%	312 22%	143 25%	72 34%	57 24%	44 20%	32 22%	137 18%	325 26%
'When I think about what civil engineers do, I mainly think of bridges'									
Agree	631 31%	434 31%	182 32%	63 30%	75 31%	82 36%	36 25%	207 27%	410 33%
Disagree	1088 53%	791 56%	268 47%	87 41%	125 51%	111 50%	83 58%	472 62%	603 49%
Don't know	330 16%	197 14%	116 21%	63 29%	43 18%	31 14%	24 17%	86 11%	231 19%

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Table 3
Q.2 Thinking about different professions, which, if any, of the following do you consider to be “respected” professions?
Base: All respondents

	Gender			Age						Social Class				Region				
	Total	Male	Female	18-24	25-34	35-44	45-54	55-64	65+	AB	C1	C2	DE	South East	Mid-lands	North Eng-land	Wales & South West	Scot-land
Unweighted base	2048	973	1075	202	340	405	361	340	400	720	530	317	481	537	553	530	275	153
Weighted base	2048	1004	1044	246	328	389	348	307	430	553	594	430	471	520	541	514	295	178
Doctors	1804 88%	869 87%	935 90%	214 87%	277 85%	332 85%	315 91%	273 89%	394 91%	502 91%	544 92%	366 85%	392 83%	452 87%	467 86%	460 90%	266 90%	160 90%
Emergency services personnel (such as paramedics/ fire-fighters/ police officers etc.)	1585 77%	758 76%	827 79%	191 78%	237 72%	296 76%	278 80%	243 79%	339 79%	408 74%	478 80%	339 79%	360 77%	383 74%	417 77%	402 78%	242 82%	142 80%
Scientists	1425 70%	697 69%	728 70%	160 65%	195 60%	261 67%	247 71%	224 73%	338 79%	397 72%	413 70%	300 70%	315 67%	367 71%	377 70%	350 68%	208 70%	123 69%
Teachers	1224 60%	604 60%	620 59%	154 63%	207 63%	234 60%	197 57%	182 59%	249 58%	331 60%	371 62%	262 61%	260 55%	322 62%	313 58%	309 60%	164 55%	116 65%
Architects	1137 56%	554 55%	583 56%	103 42%	167 51%	197 51%	193 55%	195 63%	282 66%	345 62%	345 58%	225 52%	221 47%	272 52%	280 52%	301 59%	182 61%	102 58%
Lawyers	1059 52%	433 43%	626 60%	128 52%	178 54%	201 52%	175 50%	162 53%	215 50%	286 52%	313 53%	226 53%	233 50%	253 49%	278 51%	256 50%	179 61%	92 52%
Civil engineers	916 45%	468 47%	449 43%	93 38%	115 35%	144 37%	141 40%	164 53%	260 60%	267 48%	274 46%	193 45%	182 39%	236 45%	214 40%	228 44%	152 51%	86 48%
Care workers	878 43%	449 45%	429 41%	145 59%	136 41%	134 35%	148 43%	126 41%	189 44%	207 38%	252 42%	189 44%	229 49%	231 44%	226 42%	221 43%	118 40%	82 46%
Accountants	759 37%	308 31%	451 43%	81 33%	131 40%	137 35%	115 33%	117 38%	178 41%	220 40%	224 38%	152 35%	163 35%	190 36%	195 36%	188 37%	123 42%	64 36%
Journalists	172 8%	73 7%	99 9%	35 14%	36 11%	36 9%	23 7%	22 7%	20 5%	41 7%	54 9%	41 10%	36 8%	55 10%	39 7%	49 9%	16 5%	14 8%
None of these	33 2%	21 2%	12 1%	3 1%	2 1%	6 2%	6 2%	8 3%	7 2%	9 2%	4 1%	7 2%	12 3%	7 1%	14 3%	8 2%	2 1%	1 1%
Don't know	57 3%	32 3%	25 2%	8 3%	22 7%	9 2%	7 2%	5 2%	5 1%	14 3%	13 2%	9 2%	21 4%	16 3%	18 3%	13 3%	8 3%	3 2%

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	Total	NET: No children under 18	NET: Children under 18	under 5	5 to 10	11 to 15	16 to 18	Net: University degree or above	Net: Below university degree
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Weighted base	2048	1422	567	213	243	224	142	764	1243
Doctors	1804 88%	1272 89%	489 86%	173 81%	211 87%	200 89%	130 91%	666 87%	1112 89%
Emergency services personnel (such as paramedics/ fire-fighters/ police officers etc.)	1585 77%	1119 79%	432 76%	157 74%	180 74%	185 82%	113 80%	562 74%	992 80%
Scientists	1425 70%	1037 73%	349 62%	115 54%	145 60%	155 69%	104 73%	537 70%	861 69%
Teachers	1224 60%	852 60%	343 61%	129 60%	160 66%	139 62%	78 55%	446 58%	758 61%
Architects	1137 56%	837 59%	278 49%	88 41%	115 47%	130 58%	78 55%	472 62%	656 53%
Lawyers	1059 52%	753 53%	283 50%	95 44%	123 51%	118 53%	74 52%	391 51%	655 53%
Civil engineers	916 45%	709 50%	190 34%	60 28%	81 33%	92 41%	55 39%	385 50%	523 42%
Care workers	878 43%	619 44%	233 41%	84 39%	97 40%	87 39%	64 45%	291 38%	572 46%
Accountants	759 37%	559 39%	188 33%	64 30%	82 34%	79 35%	51 36%	312 41%	441 35%
Journalists	172 8%	123 9%	43 8%	16 7%	25 10%	17 8%	10 7%	58 8%	112 9%
None of these	33 2%	24 2%	6 1%	3 2%	2 1%	4 2%	1 *	17 2%	14 1%
Don't know	57 3%	36 3%	14 2%	9 4%	8 3%	4 2%	4 3%	23 3%	31 2%

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Table 4
Q.3 Thinking about if you were to encourage possible careers for a young person to pursue, including your own children, to what extent do you think you would encourage or discourage a career as a civil engineer?
Base: All respondents

	Gender			Age						Social Class				Region				
	Total	Male	Female	18-24	25-34	35-44	45-54	55-64	65+	AB	C1	C2	DE	South East	Mid-lands	North Eng-land	Wales & South West	Scot-land
Unweighted base	2048	973	1075	202	340	405	361	340	400	720	530	317	481	537	553	530	275	153
Weighted base	2048	1004	1044	246	328	389	348	307	430	553	594	430	471	520	541	514	295	178
Net: Encourage	781 38%	439 44%	342 33%	74 30%	115 35%	121 31%	126 36%	138 45%	207 48%	229 41%	237 40%	172 40%	143 30%	194 37%	170 32%	203 40%	133 45%	81 45%
I would strongly encourage a career as a civil engineer	(5) 308 15%	184 18%	124 12%	29 12%	37 11%	36 9%	55 16%	48 16%	103 24%	81 15%	103 17%	63 15%	62 13%	64 12%	64 12%	96 19%	59 20%	25 14%
I would tend to encourage a career as a civil engineer	(4) 474 23%	255 25%	218 21%	45 18%	78 24%	84 22%	71 20%	91 29%	105 24%	148 27%	135 23%	109 25%	81 17%	129 25%	107 20%	108 21%	74 25%	56 31%
I would neither encourage nor discourage a career as a civil engineer	(3) 997 49%	441 44%	556 53%	127 51%	151 46%	213 55%	190 55%	136 44%	179 42%	275 50%	299 50%	193 45%	230 49%	252 48%	286 53%	246 48%	126 43%	86 49%
I would tend to discourage a career as a civil engineer	(2) 13 1%	7 1%	6 1%	2 1%	4 1%	2 1%	- -	4 1%	1 *	1 *	4 1%	8 2%	- -	4 1%	8 2%	1 *	- -	1 *
I would strongly discourage a career as a civil engineer	(1) 12 1%	6 1%	6 1%	6 2%	2 1%	2 1%	- -	- -	2 1%	2 *	1 *	4 1%	5 1%	3 1%	- -	7 1%	3 1%	- -
Net: Discourage	26 1%	13 1%	13 1%	8 3%	6 2%	4 1%	- -	4 1%	3 1%	3 1%	5 1%	12 3%	5 1%	7 1%	8 2%	8 1%	3 1%	1 *
Don't know	244 12%	110 11%	134 13%	38 15%	55 17%	50 13%	32 9%	29 9%	40 9%	46 8%	53 9%	52 12%	93 20%	68 13%	76 14%	57 11%	33 11%	10 6%
Mean	3.58	3.68	3.49	3.43	3.53	3.44	3.57	3.65	3.78	3.60	3.62	3.58	3.51	3.55	3.49	3.62	3.72	3.62
Standard deviation	0.80	0.83	0.76	0.84	0.78	0.72	0.77	0.77	0.86	0.77	0.80	0.83	0.81	0.77	0.75	0.87	0.85	0.73
Standard error	0.02	0.03	0.02	0.06	0.05	0.04	0.04	0.04	0.05	0.03	0.04	0.05	0.04	0.04	0.03	0.04	0.05	0.06

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Base: All respondents

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		NET: No children under 18	NET: Children under 18	under 5	5 to 10	11 to 15	16 to 18	Net: University degree or above	Net: Below university degree
Unweighted base	2048	1401	593	228	251	238	141	824	1182
Weighted base	2048	1422	567	213	243	224	142	764	1243
Net: Encourage	781 38%	559 39%	204 36%	75 35%	98 40%	87 39%	44 31%	338 44%	435 35%
I would strongly encourage a career as a civil engineer	(5) 308 15%	223 16%	75 13%	26 12%	34 14%	33 15%	21 15%	127 17%	176 14%
I would tend to encourage a career as a civil engineer	(4) 474 23%	336 24%	129 23%	49 23%	64 26%	54 24%	23 16%	210 28%	259 21%
I would neither encourage nor discourage a career as a civil engineer	(3) 997 49%	687 48%	286 50%	103 48%	116 48%	116 52%	87 61%	360 47%	615 49%
I would tend to discourage a career as a civil engineer	(2) 13 1%	9 1%	5 1%	1 1%	2 1%	1 *	1 *	5 1%	9 1%
I would strongly discourage a career as a civil engineer	(1) 12 1%	10 1%	2 *	2 1%	- -	- -	- -	3 *	9 1%
Net: Discourage	26 1%	19 1%	7 1%	3 2%	2 1%	1 *	1 *	8 1%	18 1%
Don't know	244 12%	157 11%	71 12%	32 15%	27 11%	20 9%	10 7%	58 8%	176 14%
Mean	3.58	3.59	3.54	3.53	3.60	3.58	3.49	3.64	3.55
Standard deviation	0.80	0.81	0.77	0.79	0.76	0.76	0.76	0.79	0.80
Standard error	0.02	0.02	0.03	0.06	0.05	0.05	0.07	0.03	0.03