

# Appendix C: Hard Costs Impacts by State

## Appendix C-1

Impacts of Construction (**Hard Costs**) on State Economies (**Office**), 2017

State	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	0.268	0.088	2,093
Alaska	0.006	0.002	41
Arizona	0.592	0.198	4,639
Arkansas	0.254	0.082	1,916
California	14.430	4.787	91,533
Colorado	1.092	0.365	7,913
Connecticut	0.527	0.169	3,137
Delaware	0.285	0.079	1,634
District of Columbia	0.942	0.060	1,029
Florida	2.127	0.714	17,174
Georgia	3.296	1.078	25,522
Hawaii	0.112	0.039	774
Idaho	0.123	0.041	994
Illinois	2.824	0.890	17,207
Indiana	0.454	0.143	3,131
Iowa	0.313	0.101	2,260
Kansas	0.595	0.176	4,001
Kentucky	0.478	0.147	3,433
Louisiana	0.264	0.090	1,927
Maine	0.060	0.020	486
Maryland	2.425	0.751	15,107
Massachusetts	2.222	0.705	13,360
Michigan	0.872	0.289	6,377
Minnesota	0.519	0.166	3,319
Mississippi	0.006	0.002	47
Missouri	0.934	0.285	6,564
Montana	0.109	0.037	891
Nebraska	1.463	0.478	10,609
Nevada	0.260	0.086	1,954
New Hampshire	0.063	0.019	382
New Jersey	1.563	0.481	9,165
New Mexico	0.078	0.026	627
New York	9.366	2.918	54,886
North Carolina	2.982	0.960	22,469
North Dakota	0.156	0.049	953
Ohio	1.069	0.338	7,398
Oklahoma	0.198	0.066	1,441
Oregon	0.538	0.169	3,703
Pennsylvania	2.284	0.710	14,234
Rhode Island	0.048	0.014	286
South Carolina	0.689	0.221	5,319
South Dakota	0.156	0.052	1,165
Tennessee	1.137	0.356	7,585
Texas	11.063	3.630	71,532
Utah	0.517	0.170	3,823
Vermont	0.022	0.007	167
Virginia	2.489	0.772	16,742
Washington	1.896	0.619	12,109
West Virginia	0.018	0.006	124
Wisconsin	0.601	0.200	4,310
Wyoming	0.009	0.003	61
<b>State Totals</b>	<b>74.795</b>	<b>23.855</b>	<b>487,554</b>
<b>Interstate Spillovers</b>	<b>30.004</b>	<b>9.341</b>	<b>212,965</b>
<b>U.S. Totals</b>	<b>104.799</b>	<b>33.195</b>	<b>700,519</b>

Source: GMU Schar School of Policy and Government, The Stephen S. Fuller Institute; Dodge Data & Analytics; BEA; NAIOP

Note: Appendices include data for the District of Columbia, resulting in 51 states.

## Appendix C-2

### Impacts of Construction (**Hard Costs**) on State Economies (**Industrial**), 2017

State	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	0.346	0.113	2,706
Alaska	0.001	0.000	7
Arizona	0.577	0.193	4,516
Arkansas	0.086	0.028	652
California	3.345	1.110	21,220
Colorado	0.611	0.204	4,429
Connecticut	0.058	0.019	347
Delaware	0.138	0.038	790
District of Columbia	0.000	0.000	–
Florida	0.412	0.138	3,328
Georgia	0.719	0.235	5,569
Hawaii	0.020	0.007	138
Idaho	0.080	0.027	644
Illinois	0.691	0.218	4,208
Indiana	0.535	0.168	3,694
Iowa	2.360	0.765	17,039
Kansas	0.246	0.073	1,651
Kentucky	0.395	0.121	2,841
Louisiana	6.337	2.153	46,306
Maine	0.074	0.025	592
Maryland	0.051	0.016	316
Massachusetts	1.249	0.396	7,507
Michigan	1.235	0.409	9,031
Minnesota	0.565	0.181	3,611
Mississippi	0.002	0.001	17
Missouri	0.765	0.234	5,378
Montana	0.041	0.014	338
Nebraska	0.652	0.213	4,729
Nevada	0.072	0.024	539
New Hampshire	0.009	0.003	53
New Jersey	0.200	0.062	1,175
New Mexico	0.008	0.003	64
New York	0.618	0.193	3,622
North Carolina	1.224	0.394	9,224
North Dakota	0.015	0.005	89
Ohio	0.872	0.276	6,033
Oklahoma	0.000	0.000	–
Oregon	0.038	0.012	259
Pennsylvania	15.293	4.755	95,292
Rhode Island	0.049	0.014	293
South Carolina	0.775	0.249	5,978
South Dakota	0.694	0.231	5,191
Tennessee	0.514	0.161	3,425
Texas	7.752	2.544	50,119
Utah	0.186	0.061	1,377
Vermont	0.060	0.020	466
Virginia	0.192	0.059	1,290
Washington	0.501	0.164	3,198
West Virginia	0.012	0.004	81
Wisconsin	0.427	0.142	3,060
Wyoming	0.000	0.000	–
<b>State Totals</b>	<b>51.100</b>	<b>16.470</b>	<b>342,430</b>
<b>Interstate Spillovers</b>	<b>17.493</b>	<b>5.257</b>	<b>116,077</b>
<b>U.S. Totals</b>	<b>68.594</b>	<b>21.727</b>	<b>458,508</b>

Source: GMU Schar School of Policy and Government, The Stephen S. Fuller Institute; Dodge Data & Analytics; BEA; NAIOP  
 Note: Appendices include data for the District of Columbia, resulting in 51 states.

### Appendix C-3

#### Impacts of Construction (**Hard Costs**) on State Economies (**Warehouse**), 2017

State	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	0.997	0.326	7,793
Alaska	0.013	0.005	89
Arizona	0.618	0.207	4,837
Arkansas	0.254	0.082	1,918
California	5.818	1.930	36,904
Colorado	1.217	0.406	8,817
Connecticut	0.335	0.107	1,993
Delaware	0.039	0.011	222
District of Columbia	0.000	0.000	–
Florida	3.737	1.255	30,171
Georgia	2.599	0.850	20,125
Hawaii	0.050	0.017	348
Idaho	0.066	0.022	532
Illinois	1.943	0.612	11,840
Indiana	0.595	0.187	4,107
Iowa	0.255	0.083	1,841
Kansas	0.926	0.274	6,226
Kentucky	0.900	0.276	6,464
Louisiana	0.137	0.047	1,001
Maine	0.014	0.005	112
Maryland	0.957	0.297	5,965
Massachusetts	0.523	0.166	3,143
Michigan	0.581	0.192	4,247
Minnesota	0.316	0.101	2,022
Mississippi	0.248	0.080	1,917
Missouri	1.579	0.482	11,093
Montana	0.004	0.001	32
Nebraska	0.072	0.024	525
Nevada	0.550	0.182	4,136
New Hampshire	0.132	0.041	795
New Jersey	2.860	0.880	16,770
New Mexico	0.019	0.006	150
New York	1.910	0.595	11,193
North Carolina	0.621	0.200	4,681
North Dakota	0.021	0.007	129
Ohio	0.588	0.186	4,064
Oklahoma	0.184	0.061	1,341
Oregon	0.539	0.170	3,710
Pennsylvania	1.663	0.517	10,365
Rhode Island	0.031	0.009	184
South Carolina	0.416	0.134	3,211
South Dakota	0.107	0.036	804
Tennessee	0.605	0.189	4,035
Texas	6.388	2.096	41,302
Utah	0.786	0.258	5,816
Vermont	0.018	0.006	141
Virginia	0.610	0.189	4,104
Washington	1.470	0.480	9,390
West Virginia	0.000	0.000	–
Wisconsin	0.361	0.120	2,588
Wyoming	0.013	0.004	90
<b>State Totals</b>	<b>44.683</b>	<b>14.411</b>	<b>303,283</b>
<b>Interstate Spillovers</b>	<b>16.065</b>	<b>4.831</b>	<b>102,780</b>
<b>U.S. Totals</b>	<b>60.748</b>	<b>19.242</b>	<b>406,063</b>

Source: GMU Schar School of Policy and Government, The Stephen S. Fuller Institute; Dodge Data & Analytics; BEA; NAIOP  
 Note: Appendices include data for the District of Columbia, resulting in 51 states.

## Appendix C-4

### Impacts of Construction (**Hard Costs**) on State Economies (**Retail and Entertainment**), 2017

State	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	0.623	0.204	4,870
Alaska	0.011	0.004	76
Arizona	0.522	0.175	4,091
Arkansas	0.170	0.055	1,283
California	3.247	1.077	20,593
Colorado	0.880	0.294	6,375
Connecticut	0.640	0.206	3,813
Delaware	0.058	0.016	333
District of Columbia	0.138	0.009	151
Florida	3.710	1.246	29,955
Georgia	1.108	0.362	8,578
Hawaii	0.191	0.066	1,325
Idaho	0.098	0.033	789
Illinois	1.350	0.425	8,223
Indiana	0.415	0.131	2,863
Iowa	0.295	0.096	2,133
Kansas	0.226	0.067	1,520
Kentucky	0.454	0.140	3,264
Louisiana	0.385	0.131	2,811
Maine	0.038	0.013	308
Maryland	0.461	0.143	2,873
Massachusetts	0.603	0.191	3,625
Michigan	0.684	0.227	5,004
Minnesota	0.402	0.128	2,568
Mississippi	0.143	0.046	1,107
Missouri	1.020	0.311	7,165
Montana	0.073	0.025	597
Nebraska	0.352	0.115	2,554
Nevada	0.271	0.090	2,037
New Hampshire	0.062	0.019	377
New Jersey	1.007	0.310	5,906
New Mexico	0.163	0.055	1,315
New York	2.341	0.729	13,717
North Carolina	1.308	0.421	9,853
North Dakota	0.075	0.024	455
Ohio	1.239	0.392	8,573
Oklahoma	0.229	0.076	1,668
Oregon	0.486	0.153	3,349
Pennsylvania	1.006	0.313	6,266
Rhode Island	0.075	0.022	447
South Carolina	0.471	0.151	3,638
South Dakota	0.050	0.017	374
Tennessee	0.631	0.197	4,210
Texas	5.565	1.826	35,984
Utah	0.419	0.138	3,103
Vermont	0.039	0.013	300
Virginia	0.703	0.218	4,726
Washington	0.740	0.242	4,724
West Virginia	0.036	0.011	248
Wisconsin	0.573	0.190	4,106
Wyoming	0.012	0.004	89
<b>State Totals</b>	<b>35.799</b>	<b>11.544</b>	<b>244,315</b>
<b>Interstate Spillovers</b>	<b>13.366</b>	<b>4.029</b>	<b>84,323</b>
<b>U.S. Totals</b>	<b>49.165</b>	<b>15.573</b>	<b>328,638</b>

Source: GMU Schar School of Policy and Government, The Stephen S. Fuller Institute; Dodge Data & Analytics; BEA; NAIOP  
 Note: Appendices include data for the District of Columbia, resulting in 51 states.

## Appendix C-5

### Impacts of Construction (Hard Costs) on State Economies (in Four Categories), 2017

State	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	2.233	0.731	17,462
Alaska	0.031	0.011	214
Arizona	2.309	0.773	18,084
Arkansas	0.765	0.247	5,769
California	26.841	8.905	170,250
Colorado	3.799	1.269	27,534
Connecticut	1.560	0.501	9,290
Delaware	0.520	0.143	2,979
District of Columbia	1.080	0.069	1,180
Florida	9.987	3.354	80,628
Georgia	7.721	2.526	59,794
Hawaii	0.373	0.129	2,585
Idaho	0.367	0.123	2,959
Illinois	6.807	2.145	41,478
Indiana	1.999	0.629	13,795
Iowa	3.223	1.045	23,273
Kansas	1.993	0.590	13,398
Kentucky	2.227	0.684	16,002
Louisiana	7.122	2.420	52,045
Maine	0.186	0.062	1,498
Maryland	3.894	1.207	24,262
Massachusetts	4.597	1.458	27,635
Michigan	3.371	1.117	24,659
Minnesota	1.802	0.576	11,520
Mississippi	0.400	0.129	3,088
Missouri	4.299	1.312	30,201
Montana	0.228	0.077	1,857
Nebraska	2.539	0.830	18,417
Nevada	1.152	0.382	8,666
New Hampshire	0.267	0.082	1,607
New Jersey	5.630	1.732	33,016
New Mexico	0.267	0.090	2,156
New York	14.235	4.435	83,418
North Carolina	6.136	1.975	46,228
North Dakota	0.266	0.084	1,626
Ohio	3.768	1.191	26,068
Oklahoma	0.610	0.203	4,450
Oregon	1.600	0.504	11,021
Pennsylvania	20.246	6.295	126,158
Rhode Island	0.203	0.059	1,210
South Carolina	2.352	0.755	18,145
South Dakota	1.008	0.335	7,533
Tennessee	2.887	0.903	19,256
Texas	30.768	10.096	198,938
Utah	1.908	0.626	14,119
Vermont	0.138	0.045	1,074
Virginia	3.994	1.239	26,862
Washington	4.606	1.505	29,421
West Virginia	0.066	0.020	452
Wisconsin	1.962	0.651	14,063
Wyoming	0.034	0.011	240
<b>State Totals</b>	<b>206.378</b>	<b>66.280</b>	<b>1,377,582</b>
<b>Interstate Spillovers</b>	<b>76.928</b>	<b>23.458</b>	<b>516,146</b>
<b>U.S. Totals</b>	<b>283.306</b>	<b>89.738</b>	<b>1,893,727</b>

Source: GMU Schar School of Policy and Government, The Stephen S. Fuller Institute; Dodge Data & Analytics; BEA; NAIOP  
 Note: Appendices include data for the District of Columbia, resulting in 51 states.