

# Appendix D: Hard Costs Impacts by State

Appendix D-1  
Impacts of Construction on State Economies (Office), 2013

State	Direct Spending (In Billions of Dollars)	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	0.175	0.375	0.127	3,405
Alaska	0.059	0.107	0.037	811
Arizona	0.499	1.040	0.369	9,010
Arkansas	0.047	0.091	0.030	840
California	2.427	5.557	1.907	40,675
Colorado	0.452	1.026	0.354	8,525
Connecticut	0.147	0.287	0.096	2,050
Delaware	0.022	0.042	0.012	289
District of Columbia	0.466	0.561	0.042	830
Florida	0.446	0.932	0.331	8,941
Georgia	0.294	0.664	0.224	5,880
Hawaii	0.036	0.069	0.025	563
Idaho	0.026	0.046	0.016	468
Illinois	0.447	1.059	0.347	7,630
Indiana	0.188	0.410	0.134	3,452
Iowa	0.856	1.542	0.518	13,984
Kansas	0.152	0.295	0.090	2,316
Kentucky	0.104	0.220	0.069	1,914
Louisiana	0.236	0.493	0.168	4,087
Maine	0.049	0.096	0.034	953
Maryland	1.481	2.919	0.949	20,720
Massachusetts	0.792	1.618	0.537	11,371
Michigan	0.270	0.586	0.204	5,528
Minnesota	0.052	0.112	0.037	926
Mississippi	0.027	0.055	0.018	506
Missouri	0.151	0.333	0.105	2,633
Montana	0.009	0.017	0.006	172
Nebraska	0.362	0.622	0.211	5,385
Nevada	0.094	0.177	0.062	1,439
New Hampshire	0.042	0.086	0.028	677
New Jersey	0.738	1.624	0.521	11,060
New Mexico	0.065	0.122	0.042	1,148
New York	2.586	4.889	1.603	33,966
North Carolina	0.400	0.875	0.295	8,088
North Dakota	0.035	0.062	0.020	510
Ohio	0.255	0.594	0.195	5,012
Oklahoma	0.172	0.368	0.124	3,431
Oregon	0.273	0.566	0.187	4,753
Pennsylvania	0.385	0.912	0.296	6,887
Rhode Island	0.080	0.152	0.048	1,173
South Carolina	0.106	0.231	0.077	2,175
South Dakota	0.037	0.063	0.022	603
Tennessee	0.381	0.864	0.279	7,126
Texas	2.649	6.603	2.207	50,570
Utah	0.218	0.510	0.173	4,468
Vermont	0.028	0.052	0.018	500
Virginia	0.669	1.370	0.443	10,957
Washington	0.693	1.497	0.508	11,336
West Virginia	0.010	0.018	0.006	156
Wisconsin	0.126	0.264	0.090	2,293
Wyoming	0.027	0.046	0.016	378
<b>State Totals</b>	<b>20.337</b>	<b>43.118</b>	<b>14.257</b>	<b>332,572</b>
<b>Interstate Spillovers</b>	<b>0.000</b>	<b>19.633</b>	<b>5.605</b>	<b>143,698</b>
<b>U.S. Total</b>	<b>20.337</b>	<b>62.751</b>	<b>19.861</b>	<b>476,270</b>

Source: CRA, McGraw-Hill Construction, BEA and NAIOP

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

## Appendix D-2

### Impacts of Construction on State Economies (**Industrial**), 2013

State	Direct Spending (In Billions of Dollars)	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	0.459	0.988	0.334	8,962
Alaska	0.000	0.000	0.000	4
Arizona	0.014	0.028	0.010	244
Arkansas	0.012	0.024	0.008	217
California	0.118	0.270	0.093	1,979
Colorado	0.121	0.275	0.095	2,282
Connecticut	0.108	0.210	0.071	1,502
Delaware	0.001	0.002	0.001	13
District of Columbia	0.000	0.000	0.000	0
Florida	0.144	0.301	0.107	2,890
Georgia	0.991	2.242	0.755	19,842
Hawaii	0.023	0.045	0.016	367
Idaho	0.006	0.011	0.004	111
Illinois	0.214	0.506	0.166	3,646
Indiana	0.450	0.982	0.320	8,264
Iowa	2.048	3.690	1.240	33,471
Kansas	0.603	1.166	0.358	9,161
Kentucky	0.120	0.254	0.080	2,217
Louisiana	4.859	10.170	3.460	84,289
Maine	0.000	0.001	0.000	7
Maryland	0.054	0.106	0.035	753
Massachusetts	0.122	0.249	0.083	1,751
Michigan	0.159	0.345	0.120	3,256
Minnesota	0.205	0.442	0.147	3,663
Mississippi	0.160	0.324	0.106	2,981
Missouri	0.111	0.244	0.077	1,930
Montana	0.000	0.000	0.000	0
Nebraska	0.044	0.075	0.025	651
Nevada	0.071	0.133	0.047	1,085
New Hampshire	0.019	0.038	0.012	303
New Jersey	0.073	0.161	0.052	1,094
New Mexico	0.002	0.003	0.001	30
New York	0.698	1.320	0.433	9,169
North Carolina	0.328	0.716	0.241	6,618
North Dakota	0.443	0.783	0.250	6,406
Ohio	0.312	0.728	0.239	6,148
Oklahoma	0.028	0.059	0.020	552
Oregon	1.001	2.075	0.685	17,427
Pennsylvania	0.484	1.147	0.373	8,662
Rhode Island	0.002	0.004	0.001	31
South Carolina	0.227	0.493	0.165	4,632
South Dakota	0.002	0.003	0.001	28
Tennessee	0.050	0.113	0.037	936
Texas	0.441	1.099	0.367	8,413
Utah	0.183	0.428	0.145	3,752
Vermont	0.037	0.069	0.023	658
Virginia	0.059	0.122	0.039	973
Washington	0.059	0.128	0.043	968
West Virginia	1.680	3.152	1.007	26,710
Wisconsin	0.204	0.426	0.145	3,703
Wyoming	0.020	0.035	0.012	287
<b>State Totals</b>	<b>17.568</b>	<b>36.185</b>	<b>12.048</b>	<b>303,040</b>
<b>Interstate Spillovers</b>	<b>0.000</b>	<b>18.021</b>	<b>5.108</b>	<b>108,371</b>
<b>U.S. Total</b>	<b>17.568</b>	<b>54.205</b>	<b>17.157</b>	<b>411,411</b>

Source: CRA, McGraw-Hill Construction, BEA and NAIOP

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

### Appendix D-3

#### Impacts of Construction on State Economies (Warehouse), 2013

State	Direct Spending (In Billions of Dollars)	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	0.042	0.090	0.030	818
Alaska	0.009	0.017	0.006	127
Arizona	0.343	0.715	0.253	6,196
Arkansas	0.013	0.025	0.008	226
California	0.700	1.604	0.550	11,738
Colorado	0.145	0.329	0.114	2,735
Connecticut	0.116	0.228	0.076	1,625
Delaware	0.000	0.000	0.000	1
District of Columbia	0.001	0.001	0.000	2
Florida	0.424	0.886	0.315	8,504
Georgia	0.200	0.453	0.153	4,013
Hawaii	0.002	0.003	0.001	28
Idaho	0.006	0.012	0.004	118
Illinois	0.298	0.706	0.231	5,085
Indiana	0.419	0.913	0.297	7,682
Iowa	0.040	0.072	0.024	653
Kansas	0.153	0.295	0.091	2,321
Kentucky	0.089	0.188	0.059	1,638
Louisiana	0.087	0.181	0.062	1,501
Maine	0.015	0.029	0.010	287
Maryland	0.168	0.331	0.108	2,351
Massachusetts	0.055	0.111	0.037	783
Michigan	0.107	0.233	0.081	2,198
Minnesota	0.090	0.193	0.064	1,602
Mississippi	0.129	0.261	0.085	2,405
Missouri	0.131	0.289	0.091	2,287
Montana	0.038	0.071	0.025	716
Nebraska	0.011	0.019	0.006	163
Nevada	0.058	0.109	0.038	887
New Hampshire	0.006	0.012	0.004	98
New Jersey	0.427	0.938	0.301	6,391
New Mexico	0.017	0.031	0.011	295
New York	0.243	0.459	0.151	3,191
North Carolina	0.039	0.085	0.029	782
North Dakota	0.024	0.042	0.013	342
Ohio	0.413	0.963	0.317	8,128
Oklahoma	0.034	0.072	0.025	675
Oregon	0.114	0.236	0.078	1,984
Pennsylvania	0.423	1.001	0.325	7,564
Rhode Island	0.000	0.001	0.000	7
South Carolina	0.141	0.306	0.102	2,874
South Dakota	0.013	0.021	0.007	205
Tennessee	0.318	0.720	0.232	5,939
Texas	1.139	2.840	0.949	21,750
Utah	0.073	0.170	0.058	1,492
Vermont	0.007	0.012	0.004	119
Virginia	0.064	0.130	0.042	1,041
Washington	0.248	0.537	0.182	4,065
West Virginia	0.023	0.043	0.014	364
Wisconsin	0.215	0.448	0.153	3,895
Wyoming	0.004	0.007	0.002	56
<b>State Totals</b>	<b>7.869</b>	<b>17.441</b>	<b>5.821</b>	<b>139,949</b>
<b>Interstate Spillovers</b>	<b>0.000</b>	<b>6.839</b>	<b>1.864</b>	<b>44,330</b>
<b>U.S. Total</b>	<b>7.869</b>	<b>24.280</b>	<b>7.685</b>	<b>184,279</b>

Source: CRA, McGraw-Hill Construction, BEA and NAIOP

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

## Appendix D-4

### Impacts of Construction on State Economies (**Retail and Entertainment**), 2013

State	Direct Spending (In Billions of Dollars)	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	0.222	0.477	0.161	4,325
Alaska	0.075	0.137	0.047	1,039
Arizona	0.274	0.571	0.202	4,943
Arkansas	0.099	0.194	0.064	1,786
California	1.103	2.525	0.867	18,484
Colorado	0.302	0.684	0.236	5,685
Connecticut	0.266	0.520	0.175	3,715
Delaware	0.075	0.141	0.040	975
District of Columbia	0.062	0.074	0.006	110
Florida	1.282	2.681	0.953	25,730
Georgia	0.522	1.181	0.398	10,447
Hawaii	0.201	0.387	0.137	3,146
Idaho	0.056	0.101	0.036	1,017
Illinois	0.628	1.487	0.487	10,707
Indiana	0.309	0.674	0.220	5,673
Iowa	0.171	0.308	0.103	2,792
Kansas	0.322	0.622	0.191	4,886
Kentucky	0.238	0.505	0.158	4,396
Louisiana	0.359	0.752	0.256	6,235
Maine	0.031	0.061	0.021	603
Maryland	0.354	0.698	0.227	4,953
Massachusetts	0.496	1.012	0.336	7,116
Michigan	0.312	0.677	0.236	6,394
Minnesota	0.260	0.560	0.187	4,646
Mississippi	0.142	0.288	0.094	2,654
Missouri	0.286	0.630	0.198	4,990
Montana	0.031	0.058	0.020	585
Nebraska	0.144	0.246	0.084	2,133
Nevada	0.165	0.312	0.110	2,540
New Hampshire	0.086	0.178	0.057	1,398
New Jersey	0.319	0.703	0.225	4,785
New Mexico	0.075	0.143	0.049	1,341
New York	1.283	2.426	0.796	16,857
North Carolina	0.483	1.056	0.356	9,764
North Dakota	0.105	0.186	0.059	1,524
Ohio	0.489	1.141	0.375	9,626
Oklahoma	0.212	0.455	0.154	4,241
Oregon	0.217	0.450	0.149	3,783
Pennsylvania	0.288	0.682	0.222	5,150
Rhode Island	0.034	0.064	0.020	494
South Carolina	0.243	0.530	0.177	4,978
South Dakota	0.084	0.141	0.049	1,363
Tennessee	0.400	0.905	0.292	7,469
Texas	1.563	3.895	1.302	29,828
Utah	0.143	0.334	0.113	2,929
Vermont	0.039	0.073	0.025	693
Virginia	0.422	0.864	0.280	6,909
Washington	0.317	0.684	0.232	5,181
West Virginia	0.028	0.053	0.017	452
Wisconsin	0.234	0.489	0.167	4,254
Wyoming	0.028	0.048	0.016	394
<b>State Totals</b>	<b>15.877</b>	<b>34.063</b>	<b>11.382</b>	<b>276,117</b>
<b>Interstate Spillovers</b>	<b>0.000</b>	<b>14.925</b>	<b>4.124</b>	<b>95,702</b>
<b>U.S. Total</b>	<b>15.877</b>	<b>48.989</b>	<b>15.506</b>	<b>371,819</b>

Source: CRA, McGraw-Hill Construction, BEA and NAIOP

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

Appendix D-5

Impacts of Construction on State Economies (in Four Categories), 2013

State	Direct Spending (In Billions of Dollars)	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	0.8977	1.9298	0.6517	17,510
Alaska	0.1430	0.2606	0.0901	1,981
Arizona	1.1288	2.3548	0.8342	20,393
Arkansas	0.1702	0.3336	0.1093	3,069
California	4.3490	9.9570	3.4174	72,876
Colorado	1.0198	2.3132	0.7981	19,227
Connecticut	0.6365	1.2449	0.4180	8,893
Delaware	0.0982	0.1849	0.0527	1,278
District of Columbia	0.5291	0.6361	0.0479	942
Florida	2.2954	4.7995	1.7069	46,066
Georgia	2.0062	4.5407	1.5294	40,182
Hawaii	0.2617	0.5050	0.1791	4,104
Idaho	0.0941	0.1701	0.0601	1,714
Illinois	1.5864	3.7583	1.2311	27,068
Indiana	1.3666	2.9789	0.9703	25,072
Iowa	3.1143	5.6114	1.8860	50,899
Kansas	1.2298	2.3774	0.7299	18,684
Kentucky	0.5500	1.1667	0.3657	10,165
Louisiana	5.5406	11.5965	3.9455	96,112
Maine	0.0941	0.1868	0.0659	1,849
Maryland	2.0566	4.0547	1.3182	28,777
Massachusetts	1.4638	2.9905	0.9926	21,022
Michigan	0.8491	1.8410	0.6406	17,376
Minnesota	0.6059	1.3071	0.4357	10,837
Mississippi	0.4585	0.9280	0.3032	8,546
Missouri	0.6792	1.4959	0.4699	11,840
Montana	0.0778	0.1462	0.0513	1,474
Nebraska	0.5608	0.9620	0.3263	8,333
Nevada	0.3873	0.7314	0.2580	5,952
New Hampshire	0.1526	0.3149	0.1018	2,476
New Jersey	1.5570	3.4252	1.0989	23,330
New Mexico	0.1582	0.2999	0.1036	2,814
New York	4.8098	9.0944	2.9826	63,183
North Carolina	1.2502	2.7319	0.9198	25,252
North Dakota	0.6072	1.0728	0.3425	8,781
Ohio	1.4688	3.4261	1.1262	28,914
Oklahoma	0.4453	0.9538	0.3229	8,899
Oregon	1.6058	3.3280	1.0982	27,947
Pennsylvania	1.5792	3.7412	1.2160	28,263
Rhode Island	0.1168	0.2207	0.0697	1,705
South Carolina	0.7167	1.5600	0.5217	14,659
South Dakota	0.1349	0.2283	0.0793	2,199
Tennessee	1.1493	2.6029	0.8395	21,470
Texas	5.7919	14.4358	4.8258	110,562
Utah	0.6165	1.4435	0.4892	12,641
Vermont	0.1109	0.2066	0.0704	1,970
Virginia	1.2134	2.4861	0.8043	19,880
Washington	1.3169	2.8448	0.9654	21,549
West Virginia	1.7413	3.2661	1.0439	27,681
Wisconsin	0.7792	1.6260	0.5556	14,146
Wyoming	0.0788	0.1361	0.0464	1,115
<b>State Totals</b>	<b>61.6512</b>	<b>130.8076</b>	<b>43.5083</b>	<b>1,051,678</b>
<b>Interstate Spillovers</b>	<b>0.0000</b>	<b>59.4172</b>	<b>16.7003</b>	<b>392,101</b>
<b>U.S. Total</b>	<b>61.6512</b>	<b>190.2248</b>	<b>60.2086</b>	<b>1,443,779</b>

Source: CRA, McGraw-Hill Construction, BEA and NAIOP

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