Construction Industry Snapshot

Issued: October 2017
(based on September Starts Stats)

3 Mega Projects Propel ConstructConnect's September Starts Higher by Nearly One-third

ConstructConnect announced today that September's volume of construction starts, excluding residential activity, **was $42.8 billion**. The month-to-month percentage change versus August was an outsized +32%. The big improvement in the latest period was thanks to go-aheads for three mega projects totaling $17 billion.

	Commercial	Retail	Private Office	Hotel & Motel	Industrial	Institutional	Schools	Hospitals & Clinics	Heavy Engineering	Total Non-Residential
Sep 2017 vs. Aug 2017	+2%	-5%	+95%	-16%	+542%	-14%	-24%	-14%	+18%	+32%
Jan - Sep 2017 vs. Jan - Sep 2016	-5%	-53%	-3%	+49%	+47%	+1%	-4%	-20%	+29%	+9%
Jan - Sep 2016 vs. Jan - Sep 2015	+27%	+74%	+52%	+69%	+39%	+27%	+15%	+85%	-1%	+19%

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September's Notable Points

- September's month-to-month (m/m) overall starts increase (+31.5%) resulted from a huge jump in industrial (+542.4%), a solid increase in heavy engineering/civil (+18.3%) and a modest uptick in commercial (+2.1%). Institutional was the only major sub-category to falter (-14.2%).
- As for the +43.4% September-2017-over-September-2016 (i.e., y/y) gain, industrial's impact (thanks to Exxon Mobil) was even greater (+1049.5%), with engineering ahead mightily as well (+64.6%). Commercial (-15.3%) and institutional (-14.3%) stood in the shadows.

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3 Mega Projects Propel ConstructConnect's September Starts Higher by Nearly One-third

ConstructConnect™ announced today that September's volume of construction starts, excluding residential activity, was $42.8 billion. The month-to-month percentage change versus August was an outsized +31.5% (or plus nearly one-third). The big improvement in the latest period was thanks to go-aheads for three mega projects combining for a total of $17 billion.

The three extraordinary projects were an Exxon Mobil petrochemical plant in Texas ($10 billion categorized as industrial); the new Delta Airlines Terminal at LaGuardia Airport in New York ($4 billion categorized as civil/engineering); and the Atlantic Sunrise natural gas pipeline in Pennsylvania ($3 billion, also in the civil/engineering type-of-structure category).

Versus the same month of last year, this September was +43.4%. Relative to January-to-September of 2016, 2017's year-to-date starts through the first nine months have been +9.4%.

The starts figures throughout this report are not seasonally adjusted (NSA). Nor are they altered for inflation. They are expressed in what are termed 'current' as opposed to 'constant' dollars.

'Non-residential building' plus 'engineering/civil' work accounts for a larger share of total construction than residential activity. The former's combined proportion of total put-in-place construction in the Census Bureau's August report was 57%; the latter's was 43%.

ConstructConnect's construction starts are leading indicators for the Census Bureau's capital investment or put-in-place series. Also, the reporting period for starts (i.e., September 2017) is one month ahead of the reporting period for the investment series (i.e., August 2017.)

The total number of U.S. construction jobs rose by 8,000 in September according to the latest *Employment Situation* report from the Bureau of Labor Statistics (BLS). The monthly average gain in on-site jobs to date in 2017 has been a little faster than during the same January-to-September period of last year, +14,000 compared with +11,000. The NSA unemployment rate in the 'hard hat' sector stayed the same in September as in August, at 4.7%. A year ago, in September 2016, construction's jobless level had been a bit more elevated, at 5.2%.

The September labor survey results, both 'payroll' and 'household', were based on conditions that prevailed nearly simultaneous with Hurricanes Harvey and Irma laying severe beatings on southern Texas and much of Florida. Rebuilding efforts during the remainder of 2017 will surely put additional pressure on labor and material supplies. U.S. year-over-year construction employment, at +2.7%, is already proceeding at about twice the pace of the nation's total jobs performance, +1.4%. Also notable is the current strong showing of 'architectural and engineering services' jobs, +3.4%. Design activity points the way to subsequent work levels in the field.

September's month-to-month (m/m) overall starts increase (+31.5%) resulted from a huge jump in industrial (+542.4%), a solid increase in heavy engineering/civil (+18.3%) and a modest uptick in commercial (+2.1%). Institutional was the only major sub-category to falter (-14.2%).

As for the +43.4% September-2017-over-September-2016 (i.e., y/y) gain, industrial's impact (thanks to Exxon Mobil) was even greater (+1049.5%), with engineering ahead mightily as well (+64.6%). Commercial (-15.3%) and institutional (-14.3%) stood in the shadows.

Year-to-date (ytd) total starts (+9.4%) were led by industrial (+46.6%) and engineering (+29.2%), with institutional almost neutral (+1.2%) and commercial in the doldrums (-5.1%).

Within engineering, the 'road/highway' segment (with a 38% share so far in 2017) figures most prominently. In September, street starts were -16.8% m/m and -16.3% y/y, but +12.9% ytd. 'Water/sewage' work is second most important in the civil category (with a 22% slice ytd) and in the latest month, it was -22.0% m/m and -10.5% y/y, but +12.0% ytd. The 'green-lighting' of airport construction, however, was where the most spectacular lift-off occurred: +410.7% m/m; +718.8% y/y; and +122.3% ytd. Delta's new terminal at LaGuardia was the catalyst.

'Bridge' starts have also been tracking well. While they were -28.6% m/m, they were an upbeat +50.7% y/y and +46.0% ytd. Additionally, 'miscellaneous civil' (on account of new pipeline capacity in Pennsylvania to deliver natural gas from shale rock deposits) turned in a full set of good percentage changes in the latest month: +25.6% m/m; +255.5% y/y; and +73.4% ytd.

More than half (54%) of institutional starts to date this year have been provided by 'schools/colleges'. Unfortunately, educational work has not maintained a passing grade: -24.3% m/m; -5.7% y/y; and -3.9% ytd. 'Hospital/clinic' starts, next most important within institutional (a 14% share) have similarly failed to impress: -14.1% m/m; -68.6% y/y; and -20.2% ytd.

Ranking first among 'niches' within commercial so far this year has been 'hotel/motel' work (with a 22% share). While that sub-grouping had a rocky September both m/m (-15.6%) and y/y (-15.0%), it stayed encouragingly buoyant ytd (+48.8%). Meanwhile, the percentage changes for 'private offices' (20% of commercial) in the latest month, ran the gamut from a big increase m/m (+95.4%); to neutral ytd (-2.5%); and steeply down y/y (-31.7%). Finally, 'retail/shopping' has had commercial's toughest time in 2017: -4.7% m/m; -28.7% y/y; and -52.6% ytd.

TABLE 1: VALUE OF UNITED STATES CONSTRUCTION STARTS — SEPTEMBER 2017 (ConstructConnect™)

	Jan-Sep 17 ($ billions)	% Change Jan-Sep 17 vs Jan-Sep 16	% Change Sep 17 vs Sep 16	% Change Sep 17 vs Aug 17
Hotel/Motel	22.405	48.8%	-15.0%	-15.6%
Retail/Shopping	14.311	-52.6%	-28.7%	-4.7%
Parking Garage	1.914	-48.1%	-44.1%	25.2%
Amusement	5.562	21.9%	73.7%	31.0%
Private Office	20.326	-2.5%	-31.7%	95.4%
Government Office	8.703	-14.1%	6.9%	-13.1%
Laboratory	1.981	-43.7%	-39.1%	5.0%
Warehouse	14.061	32.9%	-3.6%	-32.6%
Miscellaneous Commercial *	13.645	38.9%	7.4%	62.9%
COMMERCIAL (big subset)	**102.908**	**-5.1%**	**-15.3%**	**2.1%**
INDUSTRIAL (Manufacturing)	**25.100**	**46.6%**	**1049.5%**	**542.4%**
Religious	1.615	27.0%	-36.3%	-39.6%
Hospital/Clinic	13.969	-20.2%	-68.6%	-14.1%
Nursing/Assisted Living	7.996	14.5%	21.3%	-15.4%
Library/Museum	2.783	15.3%	31.7%	-8.8%
Fire/Police/Courthouse/Prison	6.500	48.7%	99.7%	33.0%
Military	3.457	5.0%	15.3%	172.5%
School/College	52.768	-3.9%	-5.7%	-24.3%
Miscellaneous Medical	8.180	49.7%	-0.9%	-36.0%
INSTITUTIONAL	**97.268**	**1.1%**	**-14.3%**	**-14.2%**
Miscellaneous Non-residential	5.777	-12.6%	-9.3%	8.5%
NON-RESIDENTIAL BUILDING	**231.053**	**1.2%**	**33.3%**	**40.7%**
Airport	10.900	122.3%	718.8%	410.7%
Road/Highway	46.696	12.9%	-16.3%	-16.8%
Bridge	16.758	46.0%	50.7%	-28.6%
Dam/Marine	3.353	22.6%	29.1%	-16.2%
Water/Sewage	26.474	12.0%	-10.5%	-22.0%
Miscellaneous Civil (power, etc.)	17.760	73.4%	255.5%	25.6%
HEAVY ENGINEERING (Civil)	**121.940**	**29.2%**	**64.6%**	**18.3%**
TOTAL NON-RESIDENTIAL	**352.993**	**9.4%**	**43.4%**	**31.5%**

* Includes transportation terminals and sports arenas.

Source: ConstructConnect Research Group/Table: ConstructConnect.

Table 2 on page three of this report re-orders and provides more detail on some of the type-of-structure categories in Table 1. The reasons for this 'second view' are set out in the footnote.

The six graphs on page 5 show 12-month moving average trend lines for major type-of-structure categories. The 'retail' and 'private office building' curves have been heading down sharply for a considerable while now. 'Schools/colleges' and 'hospitals/clinics' have also been descending, but with more decorum. Some of the engineering sub-categories, though, have been displaying resilience, with 'bridges' soaring and 'miscellaneous power' returning to a steady position.

Worker compensation throughout the U.S. economy appears to be gradually climbing. From Table B-3 of the latest BLS *Employment Situation* report, both average hourly and average weekly earnings for all jobs rose by +2.9% y/y in September. Construction workers fared better, but only by the tiniest of degrees, +3.0% both hourly and weekly. Leaving out supervisory personnel (i.e., Table B-8), the economy-wide increases were +2.5% both hourly and weekly. Construction workers achieved the same weekly, +2.5%, but had happier results hourly, +3.1%.

The value of construction starts each month is summarized from ConstructConnect's database of all active construction projects in the U.S. Missing project values are estimated with the help of RSMeans' building cost models.

ConstructConnect's non-residential construction starts series, because it is comprised of total-value estimates for individual projects, some of which are ultra-large, has a history of being more volatile than many other leading indicators for the economy. ♦

Alex Carrick

ConstructConnect has now moved to a better-targeted and research-assigned 'start' date. Prior to January 2017, the 'start' date was recorded as occurring within 30 to 60 days of the announced bid date. In concept, a 'start' is equivalent to ground being broken for a project to proceed. If work is abandoned or re-bid, the 'start' date is revised to reflect the new information..

Alex Carrick is Chief Economist for ConstructConnect. He has delivered presentations throughout North America on the U.S., Canadian and world construction outlooks. Mr. Carrick has been with the company since 1985. Links to his numerous articles are featured on Twitter @ConstructConnx, which has 47,000 followers.

TABLE 2: VALUE OF UNITED STATES CONSTRUCTION STARTS — ConstructConnect™ INSIGHT VERSION — SEPTEMBER 2017 ARRANGED TO MATCH THE ALPHABETICAL CATEGORY DROP-DOWN MENUS IN INSIGHT

		Jan-Sep 17 ($ billions)	% Change Jan-Sep 17 vs Jan-Sep 16	% Change Sep 17 vs Sep 16	% Change Sep 17 vs Aug 17
Summary					
CIVIL		121.940	29.2%	64.6%	18.3%
NON-RESIDENTIAL BUILDING		231.053	1.2%	33.3%	40.7%
RESIDENTIAL		234.649	13.8%	11.6%	-8.8%
GRAND TOTAL		587.642	11.1%	30.2%	13.6%
Verticals					
	Airport	10.900	122.3%	718.8%	410.7%
	All Other Civil	11.441	25.3%	289.1%	204.1%
	Bridges	16.758	46.0%	50.7%	-28.6%
	Dams / Canals / Marine Work	3.353	22.6%	29.1%	-16.2%
	Power Infrastructure	6.319	467.0%	-35.3%	-96.0%
	Roads	46.696	12.9%	-16.3%	-16.8%
	Water and Sewage Treatment	26.474	12.0%	-10.5%	-22.0%
CIVIL		121.940	29.2%	64.6%	18.3%
	Offices (private)	20.326	-2.5%	-31.7%	95.4%
	Parking Garages	1.914	-48.1%	-44.1%	25.2%
	Transportation Terminals	2.876	-29.1%	-16.5%	-52.2%
Commercial (small subset)		25.115	-12.2%	-32.8%	57.3%
	Amusement	5.562	21.9%	73.7%	31.0%
	Libraries / Museums	2.783	15.3%	31.7%	-8.8%
	Religious	1.615	27.0%	-36.3%	-39.6%
	Sports Arenas / Convention Centers	10.769	86.8%	12.5%	163.8%
Community		20.729	48.0%	26.9%	37.6%
	College / University	16.259	-10.3%	11.7%	3.4%
	Elementary / Pre School	15.041	-11.1%	-24.0%	-55.7%
	Jr / Sr High School	20.227	8.3%	-6.4%	-11.9%
	Special / Vocational	1.241	1.9%	-44.0%	-65.8%
Educational		52.768	-3.9%	-5.7%	-24.3%
	Courthouses	2.280	122.9%	53.4%	42.6%
	Fire and Police Stations	2.142	9.9%	102.7%	179.1%
	Government Offices	8.703	-14.1%	6.9%	-13.1%
	Prisons	2.077	48.6%	141.8%	-43.6%
Government		15.203	4.9%	38.0%	4.4%
	Industrial Labs / Labs / School Labs	1.981	-43.7%	-39.1%	5.0%
	Manufacturing	25.100	46.6%	1049.5%	542.4%
	Warehouses	14.061	32.9%	-3.6%	-32.6%
Industrial		41.142	31.8%	422.9%	242.0%
	Hospitals / Clinics	13.969	-20.2%	-68.6%	-14.1%
	Medical Misc.	8.180	49.7%	-0.9%	-36.0%
	Nursing Homes	7.996	14.5%	21.3%	-15.4%
Medical		30.145	0.6%	-40.3%	-23.3%
Military		3.457	5.0%	15.3%	172.5%
	Hotels	22.405	48.8%	-15.0%	-15.6%
	Retail Misc.	5.777	-12.6%	-9.3%	8.5%
	Shopping	14.311	-52.6%	-28.7%	-4.7%
Retail		42.493	-18.1%	-19.8%	-7.7%
NON-RESIDENTIAL BUILDING		231.053	1.2%	33.3%	40.7%
	Multi-Family	79.850	23.6%	8.1%	-25.4%
	Single-Family	154.799	9.3%	12.9%	-1.4%
RESIDENTIAL		234.649	13.8%	11.6%	-8.8%
NON-RESIDENTIAL		352.993	9.4%	43.4%	31.5%
GRAND TOTAL		587.642	11.1%	30.2%	13.6%

Table 1 conforms to the type-of-structure ordering adopted by many firms and organizations in the industry. Specifically, it breaks non-residential building into ICI work (i.e., industrial, commercial and institutional), since each has its own set of economic and demographic drivers. Table 2 presents an alternative, perhaps more user-friendly and intuitive type-of-structure ordering that matches how the data appears in ConstructConnect's on-line product 'Insight'.

Source: ConstructConnect/Table: ConstructConnect.

TABLE 3: ConstructConnect's TOP 10 PROJECT STARTS IN SEPTEMBER 2017

LOCATION (EAST TO WEST)	TYPE OF CONSTRUCTION	DESCRIPTION	SQUARE FEET 000S*	DOLLARS 000,000S
Rhode Island				
Providence	Commercial	I-195 Life Sciences Complex - Providence - Phase 1 (4 structures) I-195 CV Properties LLC - Southport	200	$158
New York				
Queens	Engineering/Civil	New Delta Airlines Terminal at LaGuardia Airport (1 structure) Port Authority of New York and New Jersey - Procurement (PANYNJ)	*	$4,000
New York	Institutional	Mid-Manhattan Library Branch Renovation - New York Public Library (1 structure; 7 stories) 455 5th Ave New York Public Library - Capital Planning & Construction	646	$200
Pennsylvania				
Williamsport	Engineering/Civil	Atlantic Sunrise natural gas pipeline work Williams Companies, Inc. / Transco	*	$3,000
Virginia				
Leesburg	Institutional	Inova Loudoun Hospital Phase 2B - North Patient Tower (1 structure; 9 stories) 44045 Riverside Pkwy Inova - Fairfax Hospital	366	$135
Florida				
Winter Garden	Institutional	Orlando Health Horizon West Phase 2 (1 structure) Porter Rd at SR 429 Orlando Health	284	$135
Ohio				
Cleveland	Commercial	Quicken Loans Arena Addition and Renovation (2 structures) 1 Center Ct Gateway Economic Development Corporation of Greater Cleveland	903	$140
Texas				
Portland	Industrial	Exxon Mobil Plastics Plant Farm-to-Market Rd 2986 and US Hwy 181 Exxon Mobil Corporation	*	$10,000
Washington				
Seattle	Commercial	Rainier Square (5 structures) 1301 5th Ave Wright Runstad & Company	1,600	$600
California				
Anaheim	Commercial	Westin Anaheim Resort (3 structures; 8 stories; 613 units) 1030 W Katella Ave Wincome Group	571	$245
TOTALS:			**4,570**	**$18,613**

*A square footage measure does not apply for alteration, some forms of industrial (e.g., petrochemical) and most engineering/civil work.

Source: ConstructConnect/Table: ConstructConnect.

Construction Industry Snapshot

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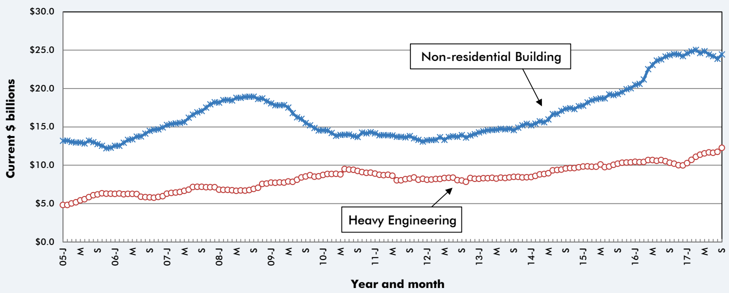
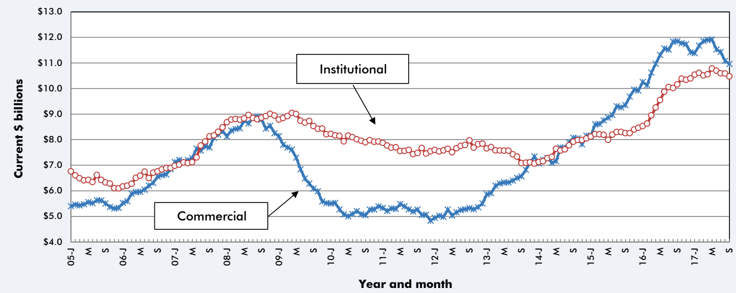
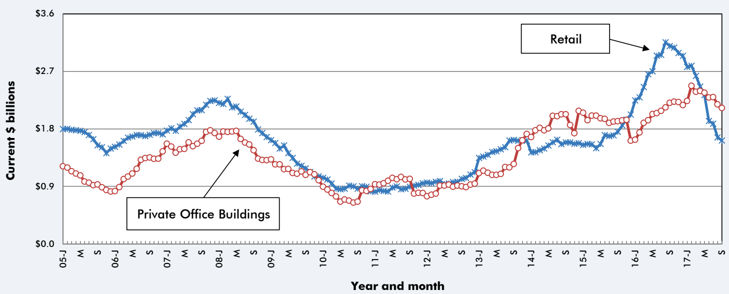
GRAPH 1: U.S. NON-RESIDENTIAL CONSTRUCTION STARTS — ConstructConnect™ (12-MONTH MOVING AVERAGES)



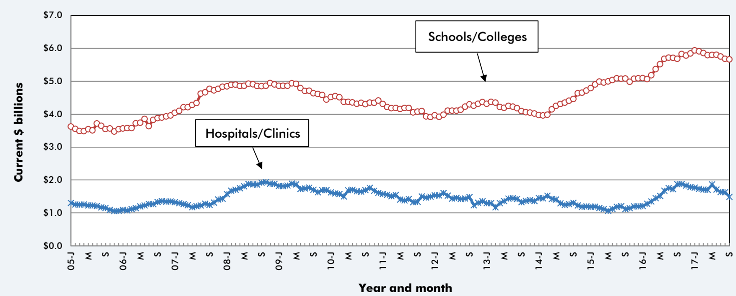
GRAPH 2: U.S. COMMERCIAL AND INSTITUTIONAL CONSTRUCTION STARTS — ConstructConnect™ (12-MONTH MOVING AVERAGES)



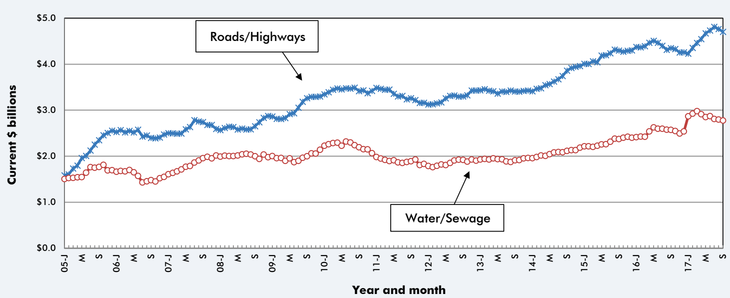
GRAPH 3: U.S. RETAIL AND PRIVATE OFFICE BUILDING CONSTRUCTION STARTS — ConstructConnect™ (12-MONTH MOVING AVERAGES)



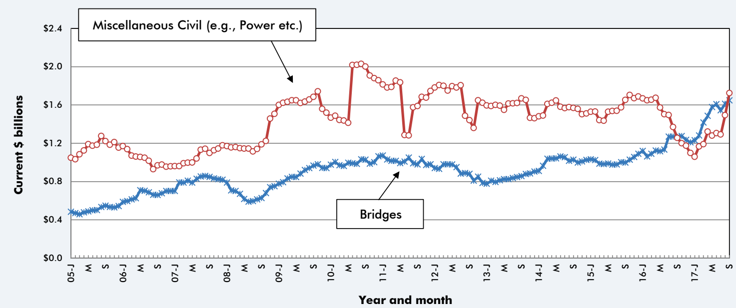
GRAPH 4: U.S. HOSPITAL/CLINIC AND SCHOOL/COLLEGE CONSTRUCTION STARTS — ConstructConnect™ (12-MONTH MOVING AVERAGES)



GRAPH 5: U.S. ROAD/HIGHWAY AND WATER/SEWAGE CONSTRUCTION STARTS — ConstructConnect™ (12-MONTH MOVING AVERAGES)



GRAPH 6: U.S. BRIDGES AND MISCELLANEOUS CIVIL CONSTRUCTION STARTS — ConstructConnect™ (12-MONTH MOVING AVERAGES)



Source: ConstructConnect/Charts: ConstructConnect.

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TABLE 4: U.S. YEAR-TO-DATE REGIONAL STARTS NON-RESIDENTIAL CONSTRUCTION* — ConstructConnect™

	Jan-Sept 2016	Jan-Sept 2017	% Change
Connecticut	$2,248,753,081	$4,310,363,605	91.7%
Maine	$846,259,610	$1,172,089,377	38.5%
Massachusetts	$7,491,001,719	$7,781,349,882	3.9%
New Hampshire	$1,302,892,302	$781,953,860	-40.0%
Rhode Island	$552,944,547	$949,726,921	71.8%
Vermont	$622,011,311	$623,114,495	0.2%
Total New England	$13,063,862,570	$15,618,598,140	19.6%
New Jersey	$7,806,928,759	$7,636,622,031	-2.2%
New York	$19,157,692,463	$30,972,829,176	61.7%
Pennsylvania	$11,075,209,893	$13,983,816,662	26.3%
Total Middle Atlantic	$38,039,831,115	$52,593,267,869	38.3%
TOTAL NORTHEAST	$51,103,693,685	$68,211,866,009	33.5%
Illinois	$9,808,884,725	$10,815,204,669	10.3%
Indiana	$5,419,152,254	$5,115,767,179	-5.6%
Michigan	$8,635,481,028	$13,361,601,651	54.7%
Ohio	$10,394,416,386	$11,073,539,764	6.5%
Wisconsin	$6,436,779,551	$7,415,401,928	15.2%
Total East North Central	$40,694,713,944	$47,781,515,191	17.4%
Iowa	$4,041,562,042	$4,132,506,054	2.3%
Kansas	$2,957,031,422	$2,578,787,578	-12.8%
Minnesota	$6,628,830,164	$6,494,813,227	-2.0%
Missouri	$6,096,951,332	$6,138,585,276	0.7%
Nebraska	$2,323,266,753	$2,779,096,908	19.6%
North Dakota	$1,864,917,374	$1,393,240,862	-25.3%
South Dakota	$1,175,063,464	$1,466,732,309	24.8%
Total West North Central	$25,087,622,551	$24,983,762,214	-0.4%
TOTAL MIDWEST	$65,782,336,495	$72,765,277,405	10.6%
Delaware	$756,781,546	$1,071,684,493	41.6%
District of Columbia	$1,866,135,808	$1,942,013,337	4.1%
Florida	$19,041,543,022	$22,525,916,205	18.3%
Georgia	$11,212,766,234	$9,241,512,468	-17.6%
Maryland	$9,184,006,561	$5,107,998,044	-44.4%
North Carolina	$10,767,828,250	$10,285,262,826	-4.5%
South Carolina	$5,094,826,410	$5,865,303,279	15.1%
Virginia	$8,224,171,821	$8,378,556,276	1.9%
West Virginia	$897,749,130	$955,296,128	6.4%
Total South Atlantic	$67,045,808,782	$65,373,543,056	-2.5%
Alabama	$3,572,242,760	$4,088,603,266	14.5%
Kentucky	$5,537,420,275	$2,976,839,431	-46.2%
Mississippi	$2,266,899,321	$1,791,188,558	-21.0%
Tennessee	$6,304,554,566	$5,028,592,703	-20.2%
Total East South Central	$17,681,116,922	$13,885,223,958	-21.5%
Arkansas	$2,436,348,404	$2,260,928,962	-7.2%
Louisiana	$6,232,157,119	$4,703,629,420	-24.5%
Oklahoma	$4,124,126,014	$4,895,679,219	18.7%
Texas	$39,513,000,753	$45,334,312,167	14.7%
Total West South Central	$52,305,632,290	$57,194,549,768	9.3%
TOTAL SOUTH	$137,032,557,994	$136,453,316,782	-0.4%
Arizona	$5,475,564,405	$4,818,518,955	-12.0%
Colorado	$5,007,684,565	$5,263,667,877	5.1%
Idaho	$1,126,400,728	$1,172,910,378	4.1%
Montana	$979,038,677	$852,696,682	-12.9%
Nevada	$3,275,453,581	$2,308,947,613	-29.5%
New Mexico	$1,331,357,607	$1,552,629,849	16.6%
Utah	$4,443,724,531	$4,264,369,604	-4.0%
Wyoming	$1,250,246,391	$839,132,001	-32.9%
Total Mountain	$22,889,470,485	$21,072,872,959	-7.9%
Alaska	$1,212,157,693	$1,461,417,446	20.6%
California	$29,734,325,971	$38,063,583,815	28.0%
Hawaii	$2,420,892,038	$1,322,109,028	-45.4%
Oregon	$4,139,601,542	$4,721,309,301	14.1%
Washington	$8,413,804,099	$8,921,215,627	6.0%
Total Pacific	$45,920,781,343	$54,489,635,217	18.7%
TOTAL WEST	$68,810,251,828	$75,562,508,176	9.8%
TOTAL U.S.	$322,728,840,002	$352,992,968,372	9.4%

*Figures above are comprised of non-res building and engineering (i.e., residential is omitted).

Source: ConstructConnect/Table: ConstructConnect.

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TABLE 5: VALUE OF U.S. NATIONAL CONSTRUCTION STARTS — SEPTEMBER 2017 — ConstructConnect™
BILLIONS OF CURRENT $S, NOT SEASONALLY ADJUSTED (NSA)

	Latest month actuals			Moving averages (placed in end month) 3-months			Moving averages (placed in end month) 12-months			Year to Date.	
	Jul 17	Aug 17	Sep 17	Jul 17	Aug 17	Sep 17	Jul 17	Aug 17	Sep 17	Jan-Sep 2016	Jan-Sep 2017
Single Family	18.797	18.123	17.872	19.038	18.994	18.264	16.278	16.487	16.657	141.669	154.799
month-over-month % change	-6.3%	-3.6%	-1.4%	0.9%	-0.2%	-3.8%	0.9%	1.3%	1.0%		
year-over-year % change	10.3%	16.1%	12.9%	10.9%	13.0%	13.0%	7.4%	8.9%	9.8%	6.6%	9.3%
Apartment	7.421	8.010	5.974	9.215	9.305	7.135	8.362	8.479	8.516	64.581	79.850
month-over-month % change	-40.6%	7.9%	-25.4%	-6.6%	1.0%	-23.3%	-0.6%	1.4%	0.4%		
year-over-year % change	-8.0%	21.1%	8.1%	17.7%	23.9%	5.9%	21.9%	19.9%	18.7%	45.7%	23.6%
TOTAL RESIDENTIAL	26.219	26.133	23.846	28.254	28.300	25.399	24.641	24.966	25.173	206.250	234.649
month-over-month % change	-19.4%	-0.3%	-8.8%	-1.7%	0.2%	-10.2%	0.4%	1.3%	0.8%		
year-over-year % change	4.4%	17.6%	11.6%	13.0%	16.4%	10.9%	11.9%	12.4%	12.7%	16.4%	13.8%
Hotel/Motel	1.483	1.935	1.633	1.930	1.941	1.684	2.274	2.323	2.299	15.061	22.405
month-over-month % change	-38.3%	30.5%	-15.6%	-24.2%	0.6%	-13.2%	-3.7%	2.1%	-1.0%		
year-over-year % change	-41.1%	43.1%	-15.0%	-0.4%	6.7%	-12.8%	36.3%	37.8%	31.1%	68.8%	48.8%
Retail/Shopping	1.390	1.485	1.414	1.583	1.570	1.430	1.882	1.666	1.618	30.199	14.311
month-over-month % change	-24.3%	6.8%	-4.7%	-4.7%	-0.8%	-8.9%	-2.2%	-11.5%	-2.8%		
year-over-year % change	-26.5%	-63.6%	-28.7%	-59.4%	-62.9%	-46.1%	-36.4%	-47.2%	-47.7%	74.1%	-52.6%
Parking Garages	0.081	0.170	0.213	0.170	0.109	0.154	0.244	0.245	0.231	3.691	1.914
month-over-month % change	5.8%	110.7%	25.2%	-48.7%	-36.1%	41.8%	-14.0%	0.4%	-5.7%		
year-over-year % change	-85.6%	6.7%	-44.1%	-71.5%	-72.4%	-57.8%	-24.0%	-25.4%	-33.3%	32.3%	-48.1%
Amusement	0.866	0.457	0.599	0.749	0.677	0.641	0.603	0.601	0.622	4.561	5.562
month-over-month % change	22.4%	-47.1%	31.0%	10.2%	-9.7%	-5.3%	2.6%	-0.3%	3.5%		
year-over-year % change	26.9%	-4.8%	73.7%	30.6%	22.2%	27.5%	2.3%	2.1%	4.7%	-55.4%	21.9%
Office	1.595	0.766	1.496	1.861	1.580	1.285	2.298	2.185	2.127	20.855	20.326
month-over-month % change	-33.0%	-52.0%	95.4%	-8.3%	-15.1%	-18.6%	0.3%	-4.9%	-2.6%		
year-over-year % change	6.2%	-64.0%	-31.7%	-17.0%	-31.3%	-33.7%	10.4%	2.2%	-3.7%	51.9%	-2.5%
Governmental Offices	1.357	0.842	0.732	1.147	1.131	0.977	1.019	0.969	0.973	10.128	8.703
month-over-month % change	13.7%	-37.9%	-13.1%	13.9%	-1.4%	-13.6%	-2.0%	-4.9%	0.4%		
year-over-year % change	-15.8%	-41.5%	6.9%	-6.7%	-19.1%	-21.5%	-0.5%	-4.4%	-3.3%	18.3%	-14.1%
Laboratories	0.175	0.073	0.076	0.335	0.234	0.108	0.206	0.202	0.198	3.519	1.981
month-over-month % change	-61.4%	-58.5%	5.0%	-17.8%	-30.1%	-53.8%	3.9%	-1.7%	-2.0%		
year-over-year % change	112.5%	-37.1%	-39.1%	50.8%	95.4%	0.3%	-41.0%	-42.4%	-37.5%	72.1%	-43.7%
Warehouse	2.002	1.720	1.159	1.475	1.586	1.627	1.532	1.526	1.522	10.579	14.061
month-over-month % change	93.5%	-14.1%	-32.6%	11.2%	7.5%	2.6%	5.6%	-0.4%	-0.2%		
year-over-year % change	96.4%	-4.0%	-3.6%	21.5%	24.7%	21.7%	17.2%	10.7%	14.8%	6.8%	32.9%
Misc Commercial	0.548	0.464	0.756	1.773	0.751	0.589	1.375	1.367	1.371	9.823	13.645
month-over-month % change	-55.9%	-15.3%	62.9%	-22.7%	-57.6%	-21.6%	-1.3%	-0.6%	0.3%		
year-over-year % change	-28.3%	-18.1%	7.4%	81.6%	-8.7%	-13.1%	12.8%	14.2%	13.7%	-16.1%	38.9%
TOTAL COMMERCIAL	9.496	7.911	8.079	11.023	9.579	8.495	11.433	11.083	10.962	108.416	102.908
month-over-month % change	-16.2%	-16.7%	2.1%	-10.2%	-13.1%	-11.3%	-0.8%	-3.1%	-1.1%		
year-over-year % change	-10.7%	-34.7%	-15.3%	-14.5%	-25.8%	-21.0%	-0.8%	-6.4%	-7.5%	27.2%	-5.1%
TOTAL INDUSTRIAL (Manufacturing)	0.763	1.629	10.468	1.193	1.269	4.287	1.542	1.552	2.349	17.121	25.100
month-over-month % change	-46.1%	113.7%	542.4%	-22.2%	6.4%	237.7%	0.1%	0.7%	51.3%		
year-over-year % change	2.4%	8.0%	1049.5%	27.4%	22.3%	306.5%	-4.1%	-8.5%	41.7%	39.4%	46.6%
Religious	0.198	0.149	0.090	0.221	0.208	0.146	0.175	0.178	0.173	1.271	1.615
month-over-month % change	-28.2%	-24.7%	-39.6%	-13.6%	-5.8%	-29.8%	3.3%	1.8%	-2.4%		
year-over-year % change	50.8%	34.0%	-36.3%	36.0%	53.4%	13.8%	25.7%	27.6%	22.3%	0.5%	27.0%
Hosptials/Clinics	1.392	0.893	0.767	2.021	1.172	1.017	1.632	1.630	1.491	17.508	13.969
month-over-month % change	12.9%	-35.9%	-14.1%	-5.7%	-42.0%	-13.2%	-4.6%	-0.1%	-8.5%		
year-over-year % change	-40.2%	-2.1%	-68.6%	-12.5%	-44.4%	-46.3%	-7.2%	-5.3%	-20.4%	85.3%	-20.2%
Nursing/Assisted Living	1.019	0.892	0.755	1.047	1.063	0.889	0.871	0.884	0.895	6.986	7.996
month-over-month % change	-20.3%	-12.4%	-15.4%	-1.8%	1.6%	-16.4%	2.5%	1.5%	1.2%		
year-over-year % change	32.7%	21.6%	21.3%	28.1%	49.1%	25.5%	24.1%	22.6%	24.8%	72.8%	14.5%
Libraries/Museums	0.388	0.358	0.326	0.313	0.374	0.357	0.275	0.292	0.299	2.413	2.783
month-over-month % change	2.9%	-7.8%	-8.8%	13.3%	19.6%	-4.5%	7.1%	6.3%	2.2%		
year-over-year % change	128.9%	140.2%	31.7%	-13.3%	23.6%	89.4%	-12.0%	0.2%	10.0%	11.6%	15.3%
Fire/Police/Courthouse/Prison	0.459	0.519	0.690	0.560	0.527	0.556	0.648	0.649	0.677	4.370	6.500
month-over-month % change	-24.1%	13.0%	33.0%	-19.3%	-5.9%	5.4%	-1.7%	0.1%	4.4%		
year-over-year % change	-22.1%	2.2%	99.7%	-12.8%	-11.4%	15.6%	34.2%	31.5%	40.6%	-6.3%	48.7%
Military	0.506	0.280	0.764	0.526	0.412	0.517	0.401	0.395	0.404	3.291	3.457
month-over-month % change	12.8%	-44.6%	172.5%	18.3%	-21.8%	25.6%	-4.4%	-1.5%	2.1%		
year-over-year % change	-30.5%	-20.5%	15.3%	16.6%	-14.7%	-11.1%	-16.4%	-13.2%	-10.6%	-10.7%	5.0%
Schools/Colleges	5.904	4.670	3.535	7.698	6.531	4.703	5.749	5.680	5.662	54.933	52.768
month-over-month % change	-34.5%	-20.9%	-24.3%	-4.7%	-15.2%	-28.0%	-0.9%	-1.2%	-0.3%		
year-over-year % change	-10.0%	-15.1%	-5.7%	-2.1%	-6.9%	-10.7%	0.6%	-0.5%	-0.4%	15.0%	-3.9%
Misc Medical	0.753	1.208	0.773	0.946	0.972	0.911	0.842	0.878	0.878	5.466	8.180
month-over-month % change	-21.1%	60.5%	-36.0%	-2.0%	2.7%	-6.2%	0.9%	4.3%	-0.1%		
year-over-year % change	13.9%	56.9%	-0.9%	59.7%	42.8%	23.7%	80.2%	80.4%	62.1%	90.7%	49.7%
TOTAL INSTITUTIONAL	10.619	8.969	7.700	13.333	11.260	9.096	10.592	10.586	10.479	96.239	97.268
month-over-month % change	-25.2%	-15.5%	-14.2%	-4.2%	-15.5%	-19.2%	-1.0%	-0.1%	-1.0%		
year-over-year % change	-11.0%	-0.7%	-14.3%	1.0%	-6.4%	-8.9%	5.3%	5.7%	3.1%	26.8%	1.1%
Misc Non Residential	0.683	0.659	0.715	0.760	0.662	0.685	0.668	0.658	0.652	6.608	5.777
month-over-month % change	5.8%	-3.5%	8.5%	-0.7%	-12.8%	3.5%	-2.6%	-1.4%	-0.9%		
year-over-year % change	-23.6%	-14.7%	-9.3%	-6.3%	-18.4%	-16.2%	8.6%	3.2%	-3.5%	95.2%	-12.6%
TOTAL NON-RES BUILDING	21.560	19.169	26.962	26.309	22.770	22.564	24.235	23.880	24.442	228.383	231.053
month-over-month % change	-21.8%	-11.1%	40.7%	-7.7%	-13.5%	-0.9%	-0.9%	-1.5%	2.4%		
year-over-year % change	-10.9%	-18.2%	33.3%	-5.5%	-15.0%	-0.2%	1.8%	-1.3%	0.4%	29.2%	1.2%
Airports	0.683	0.877	4.480	0.631	0.662	2.013	0.806	0.727	1.055	4.903	10.900
month-over-month % change	60.7%	28.3%	410.7%	11.7%	5.0%	204.2%	-0.6%	-9.8%	45.1%		
year-over-year % change	-7.5%	-51.8%	718.8%	29.8%	-33.4%	94.4%	69.0%	26.3%	108.3%	47.0%	122.3%
Roads/Highways	5.780	4.578	3.807	6.439	5.373	4.722	4.810	4.767	4.705	41.352	46.696
month-over-month % change	0.3%	-20.8%	-16.8%	0.7%	-16.6%	-12.1%	1.6%	-0.9%	-1.3%		
year-over-year % change	19.3%	-10.2%	-16.3%	19.7%	7.7%	-2.3%	9.3%	10.5%	8.2%	1.4%	12.9%
Bridges	1.798	1.802	1.287	1.785	1.669	1.629	1.544	1.613	1.649	11.475	16.758
month-over-month % change	27.6%	0.2%	-28.6%	-6.8%	-6.5%	-2.4%	-4.0%	4.5%	2.2%		
year-over-year % change	-29.9%	85.1%	50.7%	15.0%	8.8%	11.3%	21.6%	27.1%	30.1%	22.7%	46.0%
Dams/Marine	0.661	0.327	0.274	0.479	0.408	0.421	0.359	0.358	0.363	2.736	3.353
month-over-month % change	179.6%	-50.5%	-16.2%	4.9%	-14.7%	3.1%	6.8%	-0.2%	1.4%		
year-over-year % change	70.5%	-2.9%	29.1%	20.0%	4.5%	34.7%	-17.1%	-14.8%	-0.7%	-40.7%	22.6%
Water/Sewage	2.295	2.718	2.120	2.711	2.624	2.377	2.811	2.796	2.775	23.636	26.474
month-over-month % change	-19.8%	18.4%	-22.0%	-5.9%	-3.2%	-9.4%	-2.2%	-0.5%	-0.7%		
year-over-year % change	-24.5%	-6.2%	-10.5%	-12.9%	-7.8%	-14.1%	8.2%	8.5%	7.9%	9.5%	12.0%
Misc Civil (Power, etc.)	1.394	3.079	3.866	1.115	1.850	2.780	1.291	1.492	1.724	10.244	17.760
month-over-month % change	29.6%	120.8%	25.6%	-32.2%	65.9%	50.3%	-1.0%	15.6%	15.5%		
year-over-year % change	-10.2%	364.6%	255.5%	-9.5%	85.1%	152.4%	-13.6%	9.1%	37.2%	-33.6%	73.4%
TOTAL ENGINEERING (Civil)	12.612	13.381	15.833	13.160	12.586	13.942	11.620	11.753	12.271	94.345	121.940
month-over-month % change	7.2%	6.1%	18.3%	-5.0%	-4.4%	10.8%	-0.4%	1.1%	4.4%		
year-over-year % change	-3.9%	13.5%	64.6%	8.2%	7.1%	21.1%	8.9%	11.7%	19.0%	-0.8%	29.2%
GRAND TOTAL	60.391	58.683	66.641	67.723	63.656	61.905	60.496	60.599	61.886	528.979	587.642
month-over-month % change	-16.0%	-2.8%	13.6%	-4.7%	-6.0%	-2.8%	-0.3%	0.2%	2.1%		
year-over-year % change	-3.3%	2.1%	30.2%	4.2%	1.3%	8.6%	7.1%	6.5%	8.6%	17.8%	11.1%
NON-RES BLDG + ENGINEERING	***34.172***	***32.550***	***42.795***	***39.469***	***35.356***	***36.506***	***35.855***	***35.633***	***36.712***	***322.729***	***352.993***
month-over-month % change	***-13.2%***	***-4.7%***	***31.5%***	***-6.8%***	***-10.4%***	***3.3%***	***-0.7%***	***-0.6%***	***3.0%***		
year-over-year % change	***-8.5%***	***-7.6%***	***43.4%***	***-1.4%***	***-8.3%***	***7.0%***	***4.0%***	***2.7%***	***5.9%***	***18.7%***	***9.4%***

Source: ConstructConnect/Table: ConstructConnect.