# Construction Industry Snapshot

**Issued: July 2018**
**(based on June Starts Stats)**

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Marketing Analytics Team

### ConstructConnect's 1st Half Starts: Non-res Building, -14%, But Heavy Engineering, +13%

ConstructConnect announced today that June's volume of construction starts, excluding residential activity, was **$39.8 billion** – a month-to-month **change of -24.7%**. The one-quarter drop was not due to market conditions.

Rather, the comparison of June versus May suffered from the latter including Foxconn Technology's $10 billion industrial plant in Wisconsin. June relative to May exclusive of that single mega project was still down, but by only -7.2%.

| | Commercial | Retail | Private Office | Hotel & Motel | Industrial | Institutional | Schools | Hospitals & Clinics | Heavy Engineering | Total Non-Residential |
|---|---|---|---|---|---|---|---|---|---|---|
| Jun 18 vs May 18 | -40% | -28% | -31% | -73% | -88% | +18% | +30% | -4% | +5% | -25% |
| Jan-Jun 18 vs Jan-Jun 17 | -24% | -17% | -34% | -17% | +36% | -12% | -9% | -22% | +13% | -6% |
| Jan-Jun 17 vs Jan-Jun 16 | +9% | -51% | +21% | +84 % | -6% | +11% | +6% | -15% | +31% | +14% |

## Contents



## June's Notable Points

- The -6.3% step back in June 2018's total non-residential starts, versus June 2017 (y/y), was due to declines in the commercial (-36.9%) and institutional (-6.3%) type-of-structure sub-categories that weren't quite matched by industrial (+11.3%) and heavy engineering/civil (+26.5%) uplifts.
- There was a similar pattern for year-to-date (ytd) total non-residential starts. The fact that January-to-June 2018 total non-residential starts were -5.5% relative to January-June 2017 (i.e., H1 2018/H1 2017) resulted from weakness in commercial (-23.7%) and institutional (-12.3%) that was not quite offset by strength in industrial (+35.8%) and heavy engineering (+13.4%).


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## ConstructConnect's 1st Half Starts: Non-res Building, -14%; But Heavy Engineering, +13%

### TABLE 1: VALUE OF UNITED STATES CONSTRUCTION STARTS — JUNE 2018 (ConstructConnect®)

| | Jan - Jun 18 ($ billions) | % Change Jan-Jun 18 vs Jan-Jun 17 | % Change Jun 18 vs Jun 17 | % Change Jun 18 vs May 18 |
|---|---|---|---|---|
| Hotel/Motel | 14.163 | -17.0% | -38.3% | -72.6% |
| Retail/Shopping | 9.078 | -16.7% | -46.8% | -27.7% |
| Parking Garage | 1.350 | -26.7% | 41.2% | -77.3% |
| Amusement | 4.030 | 5.3% | 5.1% | 15.6% |
| Private Office | 12.007 | -34.2% | -73.9% | -31.0% |
| Government Office | 4.985 | -12.9% | -7.8% | 11.2% |
| Laboratory | 1.241 | -31.6% | -48.4% | -2.9% |
| Warehouse | 9.160 | -16.7% | -51.3% | -63.5% |
| Miscellaneous Commercial * | 7.061 | -42.6% | 23.8% | 92.7% |
| **COMMERCIAL (big subset)** | **63.075** | **-23.7%** | **-36.9%** | **-40.4%** |
| **INDUSTRIAL** (Manufacturing) | **17.730** | **35.8%** | **11.3%** | **-87.7%** |
| Religious | 1.037 | -18.9% | -10.5% | 54.6% |
| Hospital/Clinic | 7.851 | -22.2% | -8.5% | -4.1% |
| Nursing/Assisted Living | 5.307 | -11.1% | -42.3% | -22.3% |
| Library/Museum | 1.356 | -30.1% | -48.6% | -55.1% |
| Fire/Police/Courthouse/Prison | 3.404 | -31.5% | 6.4% | 8.0% |
| Military | 2.461 | 26.1% | -0.3% | -53.2% |
| School/College | 37.966 | -8.9% | -3.9% | 30.4% |
| Miscellaneous Medical | 5.212 | -10.5% | 23.4% | 164.0% |
| **INSTITUTIONAL** | **64.593** | **-12.3%** | **-6.3%** | **18.0%** |
| Miscellaneous Non-residential | 3.466 | -10.7% | -4.9% | 13.4% |
| **NON-RESIDENTIAL BUILDING** | **148.866** | **-14.1%** | **-18.9%** | **-35.6%** |
| Airport | 3.558 | -26.8% | -14.9% | -37.6% |
| Road/Highway | 32.942 | 7.5% | 7.8% | -4.2% |
| Bridge | 12.629 | 7.5% | 62.4% | 24.7% |
| Dam/Marine | 2.819 | 31.8% | 161.2% | -7.0% |
| Water/Sewage | 16.446 | -15.1% | -9.6% | -28.2% |
| Miscellaneous Civil (power, pipelines, etc.) | 20.502 | 112.7% | 154.5% | 147.2% |
| **HEAVY ENGINEERING (Civil)** | **88.898** | **13.4%** | **26.5%** | **4.5%** |
| **TOTAL NON-RESIDENTIAL** | **237.763** | **-5.5%** | **-6.3%** | **-24.7%** |

* Includes transportation terminals and sports arenas.

*Source: ConstructConnect Research Group/Table: ConstructConnect.*

ConstructConnect announced today that June's volume of construction starts, excluding residential activity, was $39.8 billion — a month-to-month change of -24.7%. The one-quarter drop was not due to market conditions. Rather, the comparison of June versus May suffered from the latter including Foxconn Technology's $10 billion industrial plant in Wisconsin. June relative to May exclusive of that single mega project was still down, but by only -7.2%. The historical May-to-June change, aided by favorable 'seasonality', has been +4.5%.

June 2018 versus the same month of last year was -6.3%. June 2018 versus the five-year average for June, from 2013 through 2017, was +3.2%.

Year-to-date starts in 2018, compared with first half (H1) 2017 starts, have been -5.5%.

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 April report was 57%; the latter's share 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., June 2018) is one month ahead of the reporting period for the investment series (i.e., May 2018.)

June 2018's increase in construction employment, as recorded in the latest *Employment Situation* report from the Bureau of Labor Statistics (BLS), was +13,000 jobs. Among sub-sectors of construction, it was 'heavy and civil engineering' work that saw the largest month-to-month pickup in hiring, +6,000 jobs. The average monthly climb in staffing by the construction sector through H1 of this year has been +25,000, a decent gain (+25%) over last year's comparable figure of +20,000.

Construction jobs are now +4.1% year over year, a rate of improvement that is more than two-and-a-half times greater than the +1.6% advance for all jobs in the nation. The BLS report also includes employment results for the following additional pockets of the economy with close ties to construction: 'architectural and engineering services', +3.1%; 'building material and garden supply stores', +3.7%; 'real estate', +2.1%; and 'oil and gas extraction', +3.9%.

Most of the -24.7% retreat in total non-residential starts month to month (m/m) in June originated in the industrial sub-category (-87.7%). There were no projects in June's manufacturing starts that could compete with May's $10 billion Foxconn insertion. Commercial (-40.4%) was also down, but institutional (+18.0%) and engineering (+4.5%) perked up.

The -6.3% step back in June 2018's total non-residential starts, versus June 2017 (y/y), was due to declines in the commercial (-36.9%) and institutional (-6.3%) type-of-structure sub-categories that weren't quite matched by industrial (+11.3%) and heavy engineering/civil (+26.5%) uplifts.

There was a similar pattern for year-to-date (ytd) total non-residential starts. The fact that January-to-June 2018 total non-residential starts were -5.5% relative to January-June 2017 (i.e., H1 2018/H1 2017) resulted from weakness in commercial (-23.7%) and institutional (-12.3%) that was not quite offset by strength in industrial (+35.8%) and heavy engineering (+13.4%).

Within the commercial type-of-structure category, the four major sub-headings by share of total in June were 'hotel/motel' (a 22% slice ytd), 'private office' (19%), 'warehouse' (15%) and 'retail/shopping' (14%). For all those stalwarts, their latest percentage-change numbers were gloomy. 'Hotel/motel' starts in June were -72.6% m/m; -38.3% y/y; and -17.0% ytd. 'Private office' work was -31.0% m/m; -73.9% y/y; and -34.2% ytd. 'Warehouse' was -63.5% m/m; -51.3% y/y; and -16.7% ytd. 'Retail/shopping' was -27.7% m/m; -46.8% y/y; and -16.7% ytd.

'Miscellaneous commercial' in June, however, did manage to deliver some good news. While being -42.6% ytd, it was +23.8% y/y and +92.7% m/m. This category includes 'transportation terminal' work, which was +60.9% ytd. The passenger side of airport construction appears here, with runways in 'civil'. Nashville has been the latest city with large airport terminal work.

Institutional starts so far in 2018 have been dominated by the 'school/college' sub-category, which in June was -8.9% ytd and -3.9% y/y, but +30.4% m/m. Providing deeper granularity, the H1 2018/H1 2017 results were: -2.9% for 'elementary/pre-school'; +4.1% for 'junior/senior high school'; +3.5% for 'special vocational schools'; and -28.6% for 'college/university' starts.

Medical facility work has a large supporting role in institutional starts. 'Hospital/clinic', 'nursing/assisted living' and 'miscellaneous medical' combined for a 28% share of institutional in June. The biggest of those three, 'hospital/clinic', was -4.1% m/m; -8.5% y/y; and -22.2% ytd.

In engineering starts, it's the 'road/highway' (a 37% share ytd) and 'miscellaneous civil' (23%) sub-categories that have been leading the way. In June, the former was -4.2% m/m; +7.8% y/y; and +7.5% ytd, while the latter — which includes railways and subways as well as electric power plants and oil and gas pipelines — was +147.2% m/m; +154.5% y/y; and +112.7% ytd. Rapid transit work in L.A. stands out in June's Top 10 list (pg. 4).

The 12-month moving average trend graphs on page 5 are showing declining slopes, of late, for the 'building' type-of-structure categories, but ascending curves for the 'civil' categories.

Tables B-3 and B-8 of the monthly *Employment Situation* report record average hourly and average weekly wages for industry sectors. B-3 is for all employees (i.e., including bosses) on non-farm payrolls; B-8 is for 'production and non-supervisory personnel' only (i.e., it excludes bosses). For 'all jobs' and construction, there are eight relevant percentage changes to study.

From Table B-3, the average annual compensation increases in June 2018 for 'all jobs' nationally were +2.7% hourly and +3.0% weekly. Construction workers as a sub-set, however, made pay check headway faster, at +2.9% hourly and +3.5% weekly. From the more narrowly focused Table B-8 (i.e., excluding bosses), the 'all jobs' earnings gains were +2.7% hourly and +3.0% weekly (i.e., both the same as in B-3). Once again, though, workers with construction firms realized wage increases that were more rewarding, +3.5% hourly and +4.3% weekly.

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 49,000 followers.

# TABLE 2: VALUE OF UNITED STATES CONSTRUCTION STARTS — ConstructConnect® INSIGHT VERSION — JUNE 2018
## ARRANGED TO MATCH THE ALPHABETICAL CATEGORY DROP-DOWN MENUS IN INSIGHT

| | Jan - Jun 18 ($ billions) | % Change Jan-Jun 18 vs Jan-Jun 17 | % Change Jun 18 vs Jun 17 | % Change Jun 18 vs May 18 |
|---|---|---|---|---|
| **Summary** | | | | |
| CIVIL | 88.898 | 13.4% | 26.5% | 4.5% |
| NON-RESIDENTIAL BUILDING | 148.866 | -14.1% | -18.9% | -35.6% |
| RESIDENTIAL | 153.739 | -6.5% | -11.6% | 2.5% |
| GRAND TOTAL | 391.502 | -5.9% | -8.6% | -15.1% |
| **Verticals** | | | | |
| Airport | 3.558 | -26.8% | -14.9% | -37.6% |
| All Other Civil | 15.461 | 184.2% | 219.8% | 182.3% |
| Bridges | 12.629 | 7.5% | 62.4% | 24.7% |
| Dams / Canals / Marine Work | 2.819 | 31.8% | 161.2% | -7.0% |
| Power Infrastructure | 5.041 | 20.1% | 17.9% | 45.0% |
| Roads | 32.942 | 7.5% | 7.8% | -4.2% |
| Water and Sewage Treatment | 16.446 | -15.1% | -9.6% | -28.2% |
| **CIVIL** | 88.898 | 13.4% | 26.5% | 4.5% |
| Offices (private) | 12.007 | -34.2% | -73.9% | -31.0% |
| Parking Garages | 1.350 | -26.7% | 41.2% | -77.3% |
| Transportation Terminals | 3.807 | 60.9% | 208.9% | 98.5% |
| **Commercial (small subset)** | 17.164 | -23.5% | -47.9% | -16.6% |
| Amusement | 4.030 | 5.3% | 5.1% | 15.6% |
| Libraries / Museums | 1.356 | -30.1% | -48.6% | -55.1% |
| Religious | 1.037 | -18.9% | -10.5% | 54.6% |
| Sports Arenas / Convention Centers | 3.254 | -67.3% | -15.5% | 88.4% |
| **Community** | 9.678 | -43.0% | -13.2% | 25.4% |
| College / University | 9.977 | -28.6% | -14.0% | 4.7% |
| Elementary / Pre School | 11.393 | -2.9% | -13.8% | 34.0% |
| Jr / Sr High School | 15.633 | 4.1% | 11.5% | 41.3% |
| Special / Vocational | 0.963 | 3.5% | 10.6% | 135.4% |
| **Educational** | 37.966 | -8.9% | -3.9% | 30.4% |
| Courthouses | 0.500 | -75.5% | -7.1% | 2.0% |
| Fire and Police Stations | 1.366 | -4.9% | 9.3% | -7.8% |
| Government Offices | 4.985 | -12.9% | -7.8% | 11.2% |
| Prisons | 1.538 | 2.8% | 10.0% | 30.6% |
| **Government** | 8.390 | -21.6% | -3.0% | 10.0% |
| Industrial Labs / Labs / School Labs | 1.241 | -31.6% | -48.4% | -2.9% |
| Manufacturing | 17.730 | 35.8% | 11.3% | -87.7% |
| Warehouses | 9.160 | -16.7% | -51.3% | -63.5% |
| **Industrial** | 28.131 | 8.7% | -29.6% | -81.7% |
| Hospitals / Clinics | 7.851 | -22.2% | -8.5% | -4.1% |
| Medical Misc. | 5.212 | -10.5% | 23.4% | 164.0% |
| Nursing Homes | 5.307 | -11.1% | -42.3% | -22.3% |
| **Medical** | 18.369 | -16.1% | -11.2% | 20.1% |
| **Military** | 2.461 | 26.1% | -0.3% | -53.2% |
| Hotels | 14.163 | -17.0% | -38.3% | -72.6% |
| Retail Misc. | 3.466 | -10.7% | -4.9% | 13.4% |
| Shopping | 9.078 | -16.7% | -46.8% | -27.7% |
| **Retail** | 26.707 | -16.1% | -37.4% | -56.8% |
| **NON-RESIDENTIAL BUILDING** | 148.866 | -14.1% | -18.9% | -35.6% |
| Multi-Family | 41.119 | -36.2% | -49.3% | -4.6% |
| Single-Family | 112.619 | 12.6% | 14.1% | 4.8% |
| **RESIDENTIAL** | 153.739 | -6.5% | -11.6% | 2.5% |
| **NON-RESIDENTIAL** | 237.763 | -5.5% | -6.3% | -24.7% |
| **GRAND TOTAL** | 391.502 | -5.9% | -8.6% | -15.1% |

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.*

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### TABLE 3: ConstructConnect's TOP 10 PROJECT STARTS IN JUNE 2018

| LOCATION (EAST TO WEST) | TYPE OF CONSTRUCTION | DESCRIPTION | SQUARE FEET 000S* | DOLLARS 000,000S |
|---|---|---|---|---|
| **Maine** | | | | |
| Portland | Institutional | Maine Medical Center Addition<br>(2 structures; 5 stories) 22 Bramhall St<br>Maine Medical Center-Portland | 1,734 | $512 |
| **Pennsylvania** | | | | |
| Allentown | Residential | Five City Center - Urban Innovation Campus<br>(4 structures; 33 stories; 1,100 units) 8th St and Hamilton St<br>City Center Investment Corp. | 442 | $225 |
| **Virginia** | | | | |
| Richmond | Institutional | VCU Adult Outpatient Facility<br>(1 structure; 16 stories) 515 N 10th St<br>VCU Health System Capital Programs | 603 | $349 |
| **Ohio** | | | | |
| Toledo | Industrial | Hot Briquette Iron Processing Plant<br>(1 structure) 2863 Front St<br>Toledo-Lucas County Port Authority | 33 | $700 |
| **North Dakota** | | | | |
| Ellendale | Engineering/Civil | Foxtail Wind Energy Center<br>Xcel Energy | * | $276 |
| **Nevada** | | | | |
| Las Vegas | Commercial | Caesars Forum<br>(1 structure) 3535 S Las Vegas Blvd<br>Caesars Entertainment Corp. | 550 | $375 |
| **Washington** | | | | |
| Seattle | Residential | 1200 Stewart Street<br>(4 structures; 41 stories; 1,667 units) 1200 Stewart St<br>GC Graham Group Ltd. | 1,030 | $300 |
| **California** | | | | |
| Los Angeles | Engineering/Civil | Westside Purple Line Extension Section 2 Project<br>(1 structure) Multiple locations<br>LA County Metropolitan Transportation Authority | * | $1,377 |
| La Jolla | Institutional | Sixth College North Torrey Pines Living and Learning Neighborhood<br>(2 structures; 14 stories) 2880 Torrey Pines Scenic Dr<br>UC-San Diego, Facilities Design and Construction | 1,500 | $490 |
| Oakland | Residential | MacArthur Transit Village Parcel B (fka MacArthur Mammoth)<br>(3 structures; 24 stories; 638 units) 532 E 39th St<br>Boston Properties/McGrath Properties | 501 | $265 |
| **TOTALS:** | | | **6,393** | **$4,869** |

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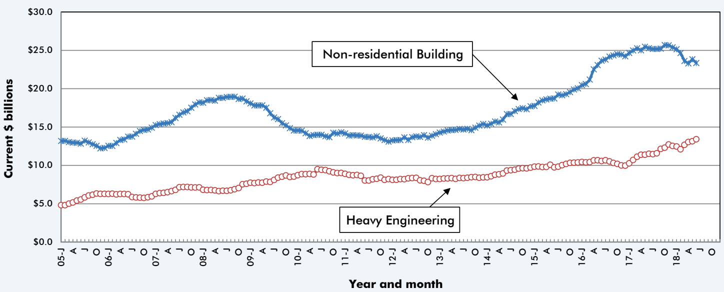
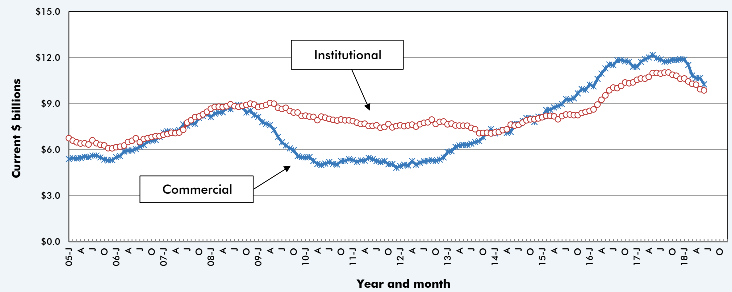
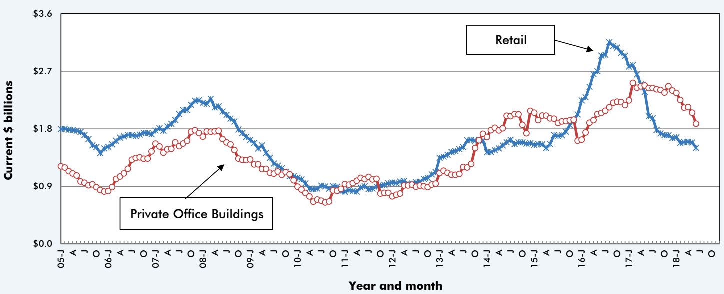
## GRAPH 1: U.S. NON-RESIDENTIAL CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



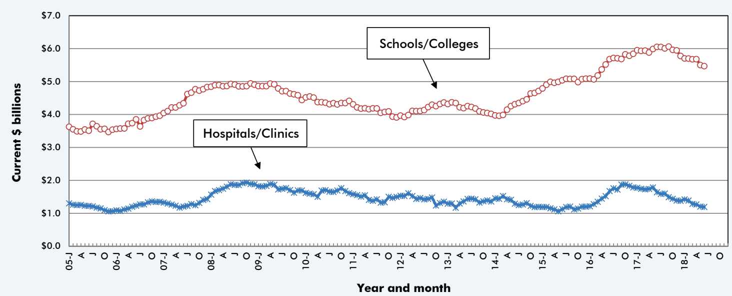

## GRAPH 2: U.S. COMMERCIAL AND INSTITUTIONAL CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



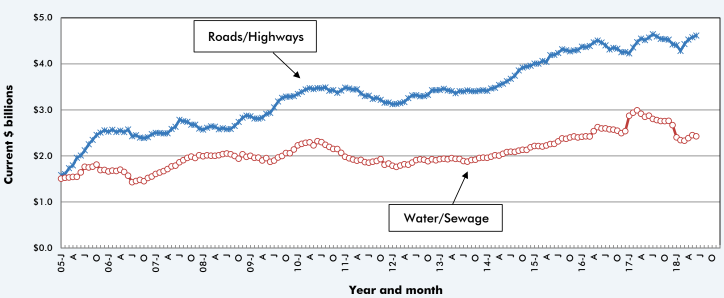

## GRAPH 3: U.S. RETAIL AND PRIVATE OFFICE BUILDING CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



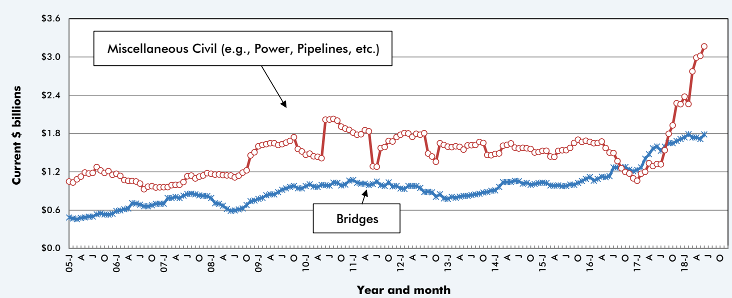

## GRAPH 4: U.S. HOSPITAL/CLINIC AND SCHOOL/COLLEGE CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)




## 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)




The last data points in all the graphs are for June, 2018.

*Source: ConstructConnect/Charts: ConstructConnect.*

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

| | Jan-Jun 2017 | Jan-Jun 2018 | % Change |
|---|---|---|---|
| Connecticut | $3,042,657,869 | $2,006,649,792 | -34.0% |
| Maine | $580,585,192 | $1,334,427,847 | 129.8% |
| Massachusetts | $5,925,857,554 | $4,430,067,306 | -25.2% |
| New Hampshire | $676,871,134 | $817,920,638 | 20.8% |
| Rhode Island | $663,510,520 | $723,080,482 | 9.0% |
| Vermont | $454,196,986 | $294,690,011 | -35.1% |
| Total New England | $11,343,679,255 | $9,606,836,076 | -15.3% |
| New Jersey | $5,804,874,483 | $4,030,926,115 | -30.6% |
| New York | $18,808,928,873 | $11,452,479,600 | -39.1% |
| Pennsylvania | $7,239,857,713 | $6,308,784,693 | -12.9% |
| Total Middle Atlantic | $31,853,661,069 | $21,792,190,408 | -31.6% |
| TOTAL NORTHEAST | $43,197,340,324 | $31,399,026,484 | -27.3% |
| Illinois | $7,738,903,710 | $6,967,436,266 | -10.0% |
| Indiana | $3,695,416,420 | $3,924,739,827 | 6.2% |
| Michigan | $10,873,092,715 | $5,344,062,582 | -50.9% |
| Ohio | $8,056,948,880 | $7,387,079,191 | -8.3% |
| Wisconsin | $5,531,720,430 | $14,742,589,874 | 166.5% |
| Total East North Central | $35,896,082,155 | $38,365,907,740 | 6.9% |
| Iowa | $3,046,873,084 | $2,936,834,470 | -3.6% |
| Kansas | $1,996,174,452 | $2,837,011,289 | 42.1% |
| Minnesota | $4,987,284,278 | $5,058,959,946 | 1.4% |
| Missouri | $4,830,073,190 | $4,278,421,764 | -11.4% |
| Nebraska | $2,026,814,429 | $1,478,481,169 | -27.1% |
| North Dakota | $1,075,588,684 | $1,756,755,514 | 63.3% |
| South Dakota | $1,138,561,585 | $889,117,113 | -21.9% |
| Total West North Central | $19,101,369,702 | $19,235,581,265 | 0.7% |
| TOTAL MIDWEST | $54,997,451,857 | $57,601,489,005 | 4.7% |
| Delaware | $1,031,377,581 | $559,968,833 | -45.7% |
| District of Columbia | $860,145,387 | $2,334,111,945 | 171.4% |
| Florida | $17,653,818,724 | $14,248,031,136 | -19.3% |
| Georgia | $7,314,434,530 | $6,071,953,625 | -17.0% |
| Maryland | $3,915,688,960 | $4,218,198,479 | 7.7% |
| North Carolina | $6,913,114,523 | $6,980,554,853 | 1.0% |
| South Carolina | $4,565,196,081 | $2,973,194,956 | -34.9% |
| Virginia | $6,478,295,101 | $9,748,254,888 | 50.5% |
| West Virginia | $664,505,969 | $6,112,819,448 | 819.9% |
| Total South Atlantic | $49,396,576,856 | $53,247,088,163 | 7.8% |
| Alabama | $2,958,976,893 | $3,088,502,321 | 4.4% |
| Kentucky | $1,959,988,315 | $1,986,435,616 | 1.3% |
| Mississippi | $1,567,251,924 | $1,180,793,620 | -24.7% |
| Tennessee | $3,440,915,992 | $3,817,979,652 | 11.0% |
| Total East South Central | $9,927,133,124 | $10,073,711,209 | 1.5% |
| Arkansas | $1,489,689,913 | $1,417,104,675 | -4.9% |
| Louisiana | $3,824,483,099 | $2,725,512,106 | -28.7% |
| Oklahoma | $3,663,444,953 | $2,878,051,023 | -21.4% |
| Texas | $27,063,019,295 | $23,522,757,988 | -13.1% |
| Total West South Central | $36,040,637,260 | $30,543,425,792 | -15.3% |
| TOTAL SOUTH | $95,364,347,240 | $93,864,225,164 | -1.6% |
| Arizona | $4,172,434,286 | $5,598,773,347 | 34.2% |
| Colorado | $4,240,571,723 | $3,748,548,217 | -11.6% |
| Idaho | $817,074,532 | $1,165,911,511 | 42.7% |
| Montana | $548,175,500 | $661,428,925 | 20.7% |
| Nevada | $1,841,030,831 | $3,243,344,225 | 76.2% |
| New Mexico | $981,369,721 | $1,199,305,026 | 22.2% |
| Utah | $3,598,221,161 | $3,345,192,181 | -7.0% |
| Wyoming | $722,958,008 | $672,850,364 | -6.9% |
| Total Mountain | $16,921,835,762 | $19,635,353,796 | 16.0% |
| Alaska | $1,144,255,987 | $1,090,678,896 | -4.7% |
| California | $30,066,035,495 | $23,441,447,171 | -22.0% |
| Hawaii | $821,750,243 | $1,159,255,629 | 41.1% |
| Oregon | $3,336,600,521 | $3,677,118,502 | 10.2% |
| Washington | $5,877,522,347 | $5,894,453,517 | 0.3% |
| Total Pacific | $41,246,164,593 | $35,262,953,715 | -14.5% |
| TOTAL WEST | $58,168,000,355 | $54,898,307,511 | -5.6% |
| **TOTAL U.S.** | **$251,727,139,776** | **$237,763,048,164** | **-5.5%** |

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

*Source: ConstructConnect/Table: ConstructConnect.*

# TABLE 5: VALUE OF U.S. NATIONAL CONSTRUCTION STARTS — JUNE 2018 — ConstructConnect®
## BILLIONS OF CURRENT $S, NOT SEASONALLY ADJUSTED (NSA)

| | Latest month actuals | | | Moving averages (placed in end month) 3-months | | | 12-months | | | Year to Date. Jan-Jun | Jan-Jun |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Apr 18 | May 18 | Jun 18 | Apr 18 | May 18 | Jun 18 | Apr 18 | May 18 | Jun 18 | 2017 | 2018 |
| Single Family | 21.040 | 21.672 | 22.717 | 17.968 | 20.157 | 21.810 | 17.196 | 17.477 | 17.710 | 100.052 | 112.619 |
| month-over-month % change | 18.5% | 3.0% | 4.8% | 14.2% | 12.2% | 8.2% | 1.3% | 1.6% | 1.3% | | |
| year-over-year % change | 14.2% | 18.4% | 14.1% | 9.8% | 13.4% | 15.5% | 8.7% | 9.5% | 9.8% | 7.4% | 12.6% |
| Apartment | 7.269 | 7.234 | 6.902 | 6.366 | 6.942 | 7.135 | 8.487 | 8.363 | 7.804 | 64.418 | 41.119 |
| month-over-month % change | 15.0% | -0.5% | -4.6% | -3.1% | 9.0% | 2.8% | -3.0% | -1.5% | -6.7% | | |
| year-over-year % change | -29.9% | -17.0% | -49.3% | -41.0% | -34.1% | -34.5% | 1.8% | -0.9% | -12.4% | 45.2% | -36.2% |
| **TOTAL RESIDENTIAL** | 28.310 | 28.906 | 29.619 | 24.334 | 27.099 | 28.945 | 25.683 | 25.840 | 25.514 | 164.470 | 153.739 |
| month-over-month % change | 17.6% | 2.1% | 2.5% | 9.1% | 11.4% | 6.8% | -0.2% | 0.6% | -1.3% | | |
| year-over-year % change | -1.7% | 7.0% | -11.6% | -10.3% | -4.3% | -2.8% | 6.3% | 5.9% | 1.9% | 19.6% | -6.5% |
| Hotel/Motel | 2.188 | 5.497 | 1.504 | 1.676 | 2.988 | 3.063 | 1.956 | 2.216 | 2.138 | 17.067 | 14.163 |
| month-over-month % change | 70.7% | 151.3% | -72.6% | 1.1% | 78.3% | 2.5% | -5.2% | 13.2% | -3.5% | | |
| year-over-year % change | -37.3% | 130.3% | -38.3% | -52.7% | -13.3% | 10.5% | -11.4% | -2.2% | -8.5% | 84.1% | -17.0% |
| Retail/Shopping | 1.796 | 1.575 | 1.139 | 1.544 | 1.717 | 1.503 | 1.597 | 1.587 | 1.503 | 10.895 | 9.078 |
| month-over-month % change | 0.9% | -12.3% | -27.7% | 1.4% | 11.3% | -12.5% | 0.2% | -0.6% | -5.3% | | |
| year-over-year % change | 2.4% | -7.2% | -46.8% | -15.4% | 1.6% | -19.4% | -36.0% | -33.3% | -24.7% | -51.0% | -16.7% |
| Parking Garages | 0.252 | 0.501 | 0.114 | 0.171 | 0.305 | 0.289 | 0.247 | 0.249 | 0.252 | 1.841 | 1.350 |
| month-over-month % change | 56.7% | 99.1% | -77.3% | 6.2% | 77.9% | -5.1% | -9.6% | 1.1% | 1.1% | | |
| year-over-year % change | -55.7% | 6.9% | 41.2% | -54.6% | -39.5% | -22.4% | -34.0% | -28.4% | -20.3% | -29.0% | -26.7% |
| Amusement | 0.624 | 0.702 | 0.812 | 0.574 | 0.633 | 0.713 | 0.669 | 0.668 | 0.671 | 3.828 | 4.030 |
| month-over-month % change | 8.8% | 12.6% | 15.6% | -8.9% | 10.2% | 12.6% | -0.3% | -0.1% | 0.5% | | |
| year-over-year % change | -4.0% | -1.6% | 5.1% | -6.3% | -3.6% | 0.1% | 18.1% | 15.0% | 11.2% | 25.4% | 5.3% |
| Office | 2.305 | 1.054 | 0.727 | 2.637 | 1.532 | 1.362 | 2.139 | 2.051 | 1.879 | 18.237 | 12.007 |
| month-over-month % change | 86.4% | -54.3% | -31.0% | -0.1% | -41.9% | -11.1% | 0.4% | -4.1% | -8.4% | | |
| year-over-year % change | 4.2% | -50.1% | -73.9% | -25.2% | -34.2% | -42.6% | -13.2% | -17.2% | -22.9% | 21.3% | -34.2% |
| Governmental Offices | 0.955 | 1.007 | 1.120 | 0.761 | 0.827 | 1.027 | 0.810 | 0.819 | 0.811 | 5.722 | 4.985 |
| month-over-month % change | 84.1% | 5.5% | 11.2% | 19.9% | 8.7% | 24.3% | 0.6% | 1.0% | -1.0% | | |
| year-over-year % change | 6.1% | 10.7% | -7.8% | -14.1% | -20.3% | 1.9% | -21.5% | -20.5% | -21.7% | -10.5% | -12.9% |
| Laboratories | 0.269 | 0.279 | 0.271 | 0.216 | 0.298 | 0.273 | 0.228 | 0.220 | 0.199 | 1.815 | 1.241 |
| month-over-month % change | -22.5% | 3.8% | -2.9% | 53.2% | 38.1% | -8.5% | -4.9% | -3.7% | -9.7% | | |
| year-over-year % change | -34.5% | -26.7% | -48.4% | -18.0% | -10.1% | -37.8% | 23.6% | 21.3% | -6.1% | -43.2% | -31.6% |
| Warehouse | 1.461 | 2.633 | 0.961 | 1.375 | 1.832 | 1.685 | 1.644 | 1.725 | 1.641 | 11.000 | 9.160 |
| month-over-month % change | 4.4% | 80.2% | -63.5% | 0.5% | 33.2% | -8.0% | -1.8% | 4.9% | -4.9% | | |
| year-over-year % change | -19.6% | 58.7% | -51.3% | -30.2% | -6.0% | -7.2% | 8.4% | 13.5% | 2.5% | 67.5% | -16.7% |
| Misc Commercial | 2.187 | 0.934 | 1.800 | 1.086 | 1.340 | 1.640 | 1.374 | 1.146 | 1.174 | 12.309 | 7.061 |
| month-over-month % change | 142.9% | -57.3% | 92.7% | 52.2% | 23.4% | 22.4% | -1.4% | -16.6% | 2.5% | | |
| year-over-year % change | -9.5% | -74.6% | 23.8% | -43.5% | -54.1% | -34.8% | 16.2% | -18.4% | -17.8% | 58.0% | -42.6% |
| **TOTAL COMMERCIAL** | 12.036 | 14.183 | 8.447 | 10.040 | 11.472 | 11.555 | 10.665 | 10.680 | 10.268 | 82.714 | 63.075 |
| month-over-month % change | 46.8% | 17.8% | -40.4% | 6.0% | 14.3% | 0.7% | -1.7% | 0.1% | -3.9% | | |
| year-over-year % change | -15.3% | 1.3% | -36.9% | -32.8% | -22.8% | -16.7% | -11.3% | -12.4% | -14.2% | 8.6% | -23.7% |
| **TOTAL INDUSTRIAL (Manufacturing)** | 1.221 | 11.668 | 1.439 | 1.260 | 4.649 | 4.776 | 1.757 | 2.599 | 2.612 | 13.059 | 17.730 |
| month-over-month % change | 15.4% | 855.6% | -87.7% | 11.0% | 269.1% | 2.7% | -3.9% | 47.9% | 0.5% | | |
| year-over-year % change | -41.1% | 647.8% | 11.3% | -39.9% | 99.6% | 190.8% | 13.9% | 65.3% | 62.3% | -6.4% | 35.8% |
| Religious | 0.180 | 0.179 | 0.276 | 0.150 | 0.177 | 0.212 | 0.171 | 0.169 | 0.167 | 1.279 | 1.037 |
| month-over-month % change | 4.9% | -0.8% | 54.6% | 12.2% | 17.6% | 19.7% | -6.0% | -1.0% | -1.6% | | |
| year-over-year % change | -42.3% | -10.5% | -10.5% | -24.4% | -18.9% | -22.6% | 3.7% | 2.2% | -6.2% | 44.3% | -18.9% |
| Hosptials/Clinics | 1.784 | 1.281 | 1.228 | 1.084 | 1.192 | 1.431 | 1.270 | 1.204 | 1.194 | 10.091 | 7.851 |
| month-over-month % change | 248.7% | -28.2% | -4.1% | -8.6% | 9.9% | 20.0% | -1.3% | -5.2% | -0.8% | | |
| year-over-year % change | -10.3% | -38.3% | -8.5% | -36.1% | -38.3% | -20.6% | -27.0% | -32.6% | -27.2% | -14.7% | -22.2% |
| Nursing/Assisted Living | 0.945 | 0.977 | 0.759 | 0.749 | 0.856 | 0.894 | 0.984 | 0.979 | 0.933 | 5.971 | 5.307 |
| month-over-month % change | 46.5% | 3.3% | -22.3% | -14.4% | 14.3% | 4.4% | -3.4% | -0.5% | -4.7% | | |
| year-over-year % change | -30.7% | -5.6% | -42.3% | -28.2% | -17.0% | -27.8% | 16.0% | 15.6% | 3.2% | 22.8% | -11.1% |
| Libraries/Museums | 0.133 | 0.401 | 0.180 | 0.140 | 0.226 | 0.238 | 0.259 | 0.264 | 0.250 | 1.941 | 1.356 |
| month-over-month % change | -7.6% | 201.0% | -55.1% | -34.8% | 61.8% | 5.3% | -5.8% | 1.9% | -5.4% | | |
| year-over-year % change | -58.7% | 17.1% | -48.6% | -50.4% | -39.4% | -29.7% | -12.0% | -10.8% | -9.4% | 5.1% | -30.1% |
| Fire/Police/Courthouse/Prison | 0.839 | 0.622 | 0.672 | 0.507 | 0.618 | 0.711 | 0.564 | 0.562 | 0.566 | 4.973 | 3.404 |
| month-over-month % change | 113.5% | -25.9% | 8.0% | 19.8% | 21.9% | 15.0% | -0.5% | -0.3% | 0.6% | | |
| year-over-year % change | -3.7% | -3.0% | 6.4% | -45.6% | -4.7% | -0.5% | -16.5% | -16.7% | -15.6% | 69.8% | -31.5% |
| Military | 0.221 | 0.925 | 0.433 | 0.277 | 0.475 | 0.526 | 0.416 | 0.440 | 0.440 | 1.952 | 2.461 |
| month-over-month % change | -20.7% | 318.7% | -53.2% | -5.6% | 71.2% | 10.8% | -2.1% | 6.0% | 0.0% | | |
| year-over-year % change | -32.8% | 47.7% | -0.3% | 38.4% | 25.1% | 13.7% | 7.2% | 5.4% | 4.0% | 26.1% | 26.1% |
| Schools/Colleges | 7.149 | 7.187 | 9.373 | 5.643 | 6.817 | 7.903 | 5.682 | 5.501 | 5.469 | 41.665 | 37.966 |
| month-over-month % change | 16.9% | 0.5% | 30.4% | 18.7% | 20.8% | 15.9% | 0.1% | -3.2% | -0.6% | | |
| year-over-year % change | 0.5% | -23.3% | -3.9% | -1.4% | -10.3% | -9.6% | -3.4% | -8.2% | -9.7% | 6.5% | -8.9% |
| Misc Medical | 1.229 | 0.503 | 1.329 | 0.782 | 0.823 | 1.020 | 0.895 | 0.832 | 0.853 | 5.820 | 5.212 |
| month-over-month % change | 66.4% | -59.0% | 164.0% | 9.1% | 5.3% | 23.9% | 3.3% | -7.1% | 2.5% | | |
| year-over-year % change | 38.4% | -60.3% | 23.4% | -12.7% | -17.9% | -5.3% | 17.3% | 0.6% | -1.5% | 78.8% | -10.5% |
| **TOTAL INSTITUTIONAL** | 12.480 | 12.076 | 14.249 | 9.333 | 11.184 | 12.935 | 10.240 | 9.950 | 9.870 | 73.692 | 64.593 |
| month-over-month % change | 38.7% | -3.2% | 18.0% | 8.6% | 19.8% | 15.7% | -0.6% | -2.8% | -0.8% | | |
| year-over-year % change | -5.3% | -22.4% | -6.3% | -14.9% | -15.2% | -11.7% | -4.8% | -9.6% | -10.4% | 11.2% | -12.3% |
| Misc Non Residential | 0.616 | 0.583 | 0.661 | 0.546 | 0.597 | 0.620 | 0.640 | 0.605 | 0.603 | 3.882 | 3.466 |
| month-over-month % change | 3.8% | -5.5% | 13.4% | 2.0% | 9.4% | 3.7% | -0.3% | -5.4% | -0.5% | | |
| year-over-year % change | -3.2% | -41.6% | -4.9% | -3.4% | -19.8% | -20.2% | -6.7% | -14.1% | -13.8% | -6.5% | -10.7% |
| **TOTAL NON-RES BUILDING** | 26.353 | 38.509 | 24.795 | 21.179 | 27.903 | 29.886 | 23.302 | 23.835 | 23.352 | 173.348 | 148.866 |
| month-over-month % change | 39.8% | 46.1% | -35.6% | 7.3% | 31.7% | 7.1% | -1.3% | 2.3% | -2.0% | | |
| year-over-year % change | -12.5% | 19.9% | -18.9% | -25.8% | -10.4% | -3.4% | -6.8% | -6.4% | -7.7% | 8.0% | -14.1% |
| Airports | 0.522 | 0.570 | 0.356 | 0.553 | 0.638 | 0.483 | 0.960 | 0.941 | 0.936 | 4.863 | 3.558 |
| month-over-month % change | -36.4% | 9.1% | -37.6% | -21.4% | 15.4% | -24.3% | -0.1% | -1.9% | -0.6% | | |
| year-over-year % change | -2.7% | -28.2% | -14.9% | -51.6% | -19.9% | -17.2% | 24.8% | 16.1% | 15.5% | 170.9% | -26.8% |
| Roads/Highways | 6.778 | 6.436 | 6.165 | 5.508 | 6.673 | 6.460 | 4.530 | 4.578 | 4.616 | 30.631 | 32.942 |
| month-over-month % change | -0.4% | -5.0% | -4.2% | 21.8% | 21.2% | -3.2% | 2.2% | 1.1% | 0.8% | | |
| year-over-year % change | 21.3% | 10.0% | 7.8% | 9.6% | 21.5% | 12.9% | -0.5% | 1.4% | 0.9% | 14.0% | 7.5% |
| Bridges | 2.183 | 1.838 | 2.291 | 2.212 | 2.213 | 2.104 | 1.739 | 1.714 | 1.787 | 11.744 | 12.629 |
| month-over-month % change | -16.7% | -15.8% | 24.7% | 5.0% | 0.0% | -4.9% | 0.0% | -1.4% | 4.3% | | |
| year-over-year % change | 0.1% | -14.1% | 62.4% | 0.0% | -12.0% | 10.1% | 17.8% | 9.3% | 11.9% | 65.8% | 7.5% |
| Dams/Marine | 0.616 | 0.637 | 0.593 | 0.420 | 0.522 | 0.615 | 0.443 | 0.451 | 0.481 | 2.139 | 2.819 |
| month-over-month % change | 97.5% | 3.5% | -7.0% | 29.6% | 24.1% | 17.9% | -0.4% | 1.7% | 6.8% | | |
| year-over-year % change | -3.2% | 16.6% | 161.2% | 19.1% | 7.5% | 30.9% | 29.3% | 25.8% | 41.6% | 18.9% | 31.8% |
| Water/Sewage | 3.385 | 3.658 | 2.626 | 2.436 | 3.058 | 3.223 | 2.387 | 2.450 | 2.427 | 19.364 | 16.446 |
| month-over-month % change | 58.9% | 8.1% | -28.2% | 7.8% | 25.6% | 5.4% | 2.4% | 2.6% | -0.9% | | |
| year-over-year % change | 25.1% | 25.8% | -9.6% | -2.4% | 16.4% | 13.5% | -18.1% | -14.0% | -15.6% | 26.3% | -15.1% |
| Misc Civil (Power, etc.) | 5.599 | 1.190 | 2.941 | 4.726 | 4.906 | 3.243 | 2.989 | 3.017 | 3.166 | 9.637 | 20.502 |
| month-over-month % change | -29.4% | -78.8% | 147.2% | 31.6% | 3.8% | -33.9% | 7.8% | 0.9% | 4.9% | | |
| year-over-year % change | 85.6% | 39.3% | 154.5% | 107.0% | 160.2% | 93.6% | 124.1% | 133.7% | 139.4% | 38.9% | 112.7% |
| **TOTAL ENGINEERING (Civil)** | 19.084 | 14.330 | 14.971 | 15.855 | 18.009 | 16.128 | 13.048 | 13.151 | 13.413 | 78.379 | 88.898 |
| month-over-month % change | -7.4% | -24.9% | 4.5% | 17.4% | 13.6% | -10.4% | 2.9% | 0.8% | 2.0% | | |
| year-over-year % change | 30.1% | 9.4% | 26.5% | 17.4% | 30.5% | 22.2% | 14.6% | 15.4% | 16.4% | 31.0% | 13.4% |
| **GRAND TOTAL** | 73.746 | 81.744 | 69.385 | 61.367 | 73.011 | 74.958 | 62.034 | 62.826 | 62.279 | 416.197 | 391.502 |
| month-over-month % change | 16.1% | 10.8% | -15.1% | 10.5% | 19.0% | 2.7% | 0.0% | 1.3% | -0.9% | | |
| year-over-year % change | 0.2% | 13.2% | -8.6% | -11.3% | -0.3% | 1.4% | 2.4% | 2.6% | 0.7% | 16.3% | -5.9% |
| ***NON-RES BLDG + ENGINEERING*** | ***45.437*** | ***52.838*** | ***39.766*** | ***37.034*** | ***45.912*** | ***46.014*** | ***36.351*** | ***36.986*** | ***36.765*** | ***251.727*** | ***237.763*** |
| ***month-over-month % change*** | ***15.1%*** | ***16.3%*** | ***-24.7%*** | ***11.4%*** | ***24.0%*** | ***0.2%*** | ***0.2%*** | ***1.7%*** | ***-0.6%*** | | |
| ***year-over-year % change*** | ***1.5%*** | ***16.9%*** | ***-6.3%*** | ***-12.0%*** | ***2.2%*** | ***4.3%*** | ***-0.1%*** | ***0.3%*** | ***-0.1%*** | ***14.2%*** | ***-5.5%*** |

*Source: ConstructConnect/Table: ConstructConnect.*