constructconnect®

SEPTEMBER 2021 (based on August 2021 Starts Stats)

Construction Industry Snapshot

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August's Nonresidential Construction Starts -14% M/M, -11% Y/Y & -6% YTD

ConstructConnect announced today that August 2021's volume of construction starts, excluding residential work, was $33.0 billion, a decrease of -14.2% vs July 2021's level.

Compared with August 2020, they were -11.1%. On a year-to-date basis, they were -6.4%. GRAND TOTAL starts in August 2021 (i.e., including residential activity) were -2.3% m/m, +4.5% y/y and +6.0% ytd.

	Commercial	Retail	Private Office	Hotel & Motel	Industrial	Institutional	Schools	Hospitals & Clinics	Heavy Engineering	Total Non-Residential
Aug 2021 vs Jul 2021	+1%	+85%	+37%	-40%	-57%	+7%	+10%	-20%	-26%	-14%
Jan-Aug 2021 vs Jan-Aug 2020	-11%	+8%	-32%	-42%	-12%	-11%	-15%	+27%	+1%	-6%
Jan-Aug 2020 vs Jan-Aug 2019	-26%	-30%	-23%	-47%	-69%	-8%	-9%	-33%	-13%	-22%

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August's Nonresidential Construction Starts -14% M/M, -11% Y/Y & -6% YTD

High-tech Giants Step to the Plate

ConstructConnect announced today that August 2021's volume of construction starts, excluding residential work, was $33.0 billion (see shaded green box, bottom of Table 10, page 11) a decrease of -14.2% vs July 2021's level of $38.5 billion (originally reported as $37.6 billion).

Compared with August 2020, the latest month's nonresidential starts were -11.1%. On a year-to-date basis, they were -6.4%. GRAND TOTAL starts in August 2021 (i.e., including residential activity) were -2.3% m/m, +4.5% y/y and +6.0% ytd.

Several of the biggest construction project initiations in the latest month were carried out by the high-tech giants. The 'Top 10' projects list on page 8 of this report records go-aheads for two Facebook data centers, one in Mesa, Arizona and the other in Prineville, Oregon, plus a Google data center in Kansas City, Missouri. Among the next ten biggest project starts in August — in other words, projects that would have appeared if Table 8 had been expanded to become a Top 20 list — were three Amazon fulfilment centers, in Pataskala, Ohio; Sioux Falls, South Dakota; and Rochester, New York. Each of the Amazon projects is projected to exceed a million square feet.

During the pandemic, low-rise light industrial and commercial building construction has flourished. Elaborating further there's been strong owner support for data and distribution centers. Demand for new shopping malls, however, has been skimpy.

The standout project started in August of last year was the $2.3 billion motor vehicle battery plant in Warren, Ohio green-lighted by General Motors Corporation.

Three Divergent Construction Paths

Starts year to date in 2021, according to the three major type-of-structure categories, have diverged markedly. Residential starts have been ahead by a quarter, +24.6%; heavy engineering/civil starts have been flat, +0.8%; and nonresidential building starts have had trouble finding the light, -10.9%.

On a month-to-month basis in August, residential starts continued to forge ahead, +12.9%; engineering retreated significantly, -25.9%; and nonresidential building pulled back only a little, -3.5%.

Trailing 12-Month (TTM) Results on the Mend

Other statistics often beloved by analysts are trailing twelve-month (TTM) results and these are set out for all the various type-of-structure categories in Table 10 on page 11 of this report. Grand Total TTM starts in August on a month-to-month basis were +0.4%, compared with +1.0% in July and +0.8% in June. On a year-over-year basis in August, GT TTM starts were -1.7% versus -4.5% in July and -7.1% in June. Those latest three y/y percent changes may still be negative, but the trend is moving in a healthier (less distressed) direction.

Even Split for Residential and Nonres in the PIP Stats

'Starts' compile the total estimated dollar value and square footage of all projects on which ground is broken in any given month. They lead, by nine months to as much as two years, put-in-place (PIP) statistics which are analogous to work-in-progress payments as the building of structures proceeds to completion.

PIP numbers cover the 'universe' of construction, new plus all manner of renovation activity, with residential traditionally making up two-fifths (about 40%) of the total and nonresidential, three-fifths (i.e., the bigger portion, at around 60%). Presently, though, according to the Census Bureau's July 2021 not-seasonally-adjusted (NSA) PIP numbers for total U.S., the year-to-date mix has shifted dramatically. The residential to

Continued on page 3

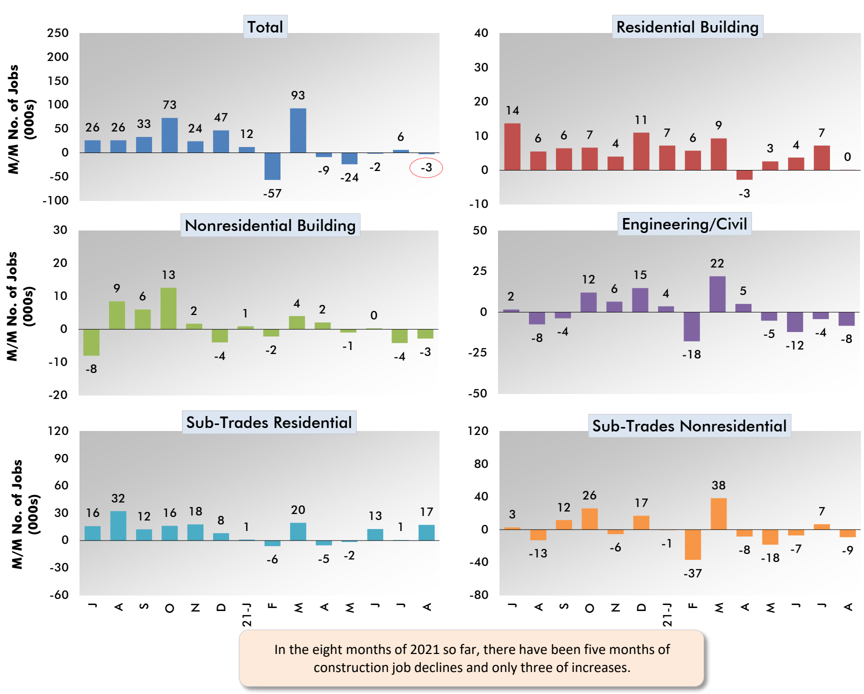
TABLE 1: VALUE OF UNITED STATES NONRESIDENTIAL CONSTRUCTION STARTS — AUGUST 2021 (ConstructConnect®)

	Jan-Aug 2021 ($ billions)	% Change Jan-Aug 21 vs Jan-Aug 20	% Change Aug 21 vs Aug 20	% Change Aug 21 vs Jul 21
Hotel/Motel	4.502	-42.3%	-29.6%	-40.4%
Retail/Shopping	9.137	8.1%	31.9%	85.4%
Parking Garage	1.261	-1.2%	-12.9%	-9.7%
Amusement	4.762	12.8%	53.5%	-50.6%
Private Office	11.722	-32.3%	-29.7%	37.2%
Government Office	8.365	24.3%	37.6%	-42.6%
Laboratory	1.400	-1.4%	139.6%	23.6%
Warehouse	15.605	-13.9%	-30.2%	4.3%
Miscellaneous Commercial *	5.941	11.1%	-10.8%	112.9%
COMMERCIAL (big subset)	**62.695**	**-11.3%**	**-10.1%**	**0.9%**
INDUSTRIAL (Manufacturing)	**12.955**	**-11.5%**	**-74.5%**	**-57.4%**
Religious	0.651	-37.5%	38.3%	299.7%
Hospital/Clinic	11.106	27.4%	-35.9%	-19.5%
Nursing/Assisted Living	3.973	-19.5%	-34.7%	95.6%
Library/Museum	1.726	-44.3%	-52.0%	-66.6%
Fire/Police/Courthouse/Prison	5.104	1.3%	-36.6%	2.6%
Military	5.614	-3.4%	-1.1%	-3.3%
School/College	43.676	-15.1%	-1.3%	10.4%
Miscellaneous Medical	4.192	-24.3%	-10.6%	19.8%
INSTITUTIONAL	**76.044**	**-11.2%**	**-12.5%**	**6.7%**
Miscellaneous Non-residential	3.931	4.6%	-22.4%	-28.4%
NONRESIDENTIAL BUILDING	**155.625**	**-10.9%**	**-20.6%**	**-3.5%**
Airport	3.888	-4.6%	12.4%	43.0%
Road/Highway	48.873	6.6%	14.3%	-26.5%
Bridge	13.036	-23.5%	24.5%	-5.0%
Dam/Marine	4.462	-18.7%	-3.1%	35.9%
Water/Sewage	23.949	11.2%	16.1%	-11.2%
Miscellaneous Civil (power, pipelines, etc.)	18.095	3.6%	-27.3%	-62.3%
HEAVY ENGINEERING (Civil)	**112.302**	**0.8%**	**7.3%**	**-25.9%**
TOTAL NONRESIDENTIAL	**267.927**	**-6.4%**	**-11.1%**	**-14.2%**

* Includes transportation terminals and sports arenas.

Source: ConstructConnect Research Group/Table: ConstructConnect.

GRAPH 1: CHANGE IN LEVEL OF U.S. CONSTRUCTION EMPLOYMENT, MONTH TO MONTH (M/M) – TOTAL & BY CATEGORIES – AUGUST 2021



For each month, 'net' = zero. 'Sub-trade' in BLS data referred to as 'specialty' trade.

Data Source: Bureau of Labor Statistics (BLS)/Chart: ConstructConnect.

Continued from page 2

nonresidential relationship has become approximately half and half (i.e., 49.3%-to-50.7% respectively). The Census Bureau's July 2021 NSA ytd PIP results are +6.2% for total; +25.3%, residential; and -7.5%, nonresidential (i.e., nonresidential buildings plus engineering).

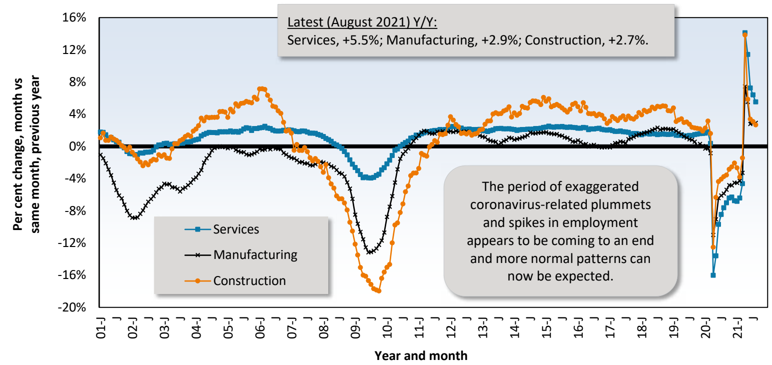
PIP numbers, being more spread out, usually have smaller peak-over-trough percent-change amplitudes than the 'starts' series. As an additional valuable service for clients and powered by its extensive 'starts' database, ConstructConnect, in partnership with Oxford Economics, a world-leader in econometric modeling, has developed put-in-place construction statistics by types of structure for U.S. states, cities and counties, 'actuals' and forecasts. ConstructConnect's PIP numbers are being released quarterly and are featured in a separate reporting system.

Site Work Jobs Count has become Mired Down

Total employment by U.S. general and trade contractors was scaled back by -3,000 jobs in August. (The nominal change in U.S. total employment in August was +235,000.) The construction sector has added only +16,000 jobs in the current year, and that's been thanks to March's strong uptick of +93,000 jobs. Leave out March and the year-to-date site-work jobs figure

Continued on page 4

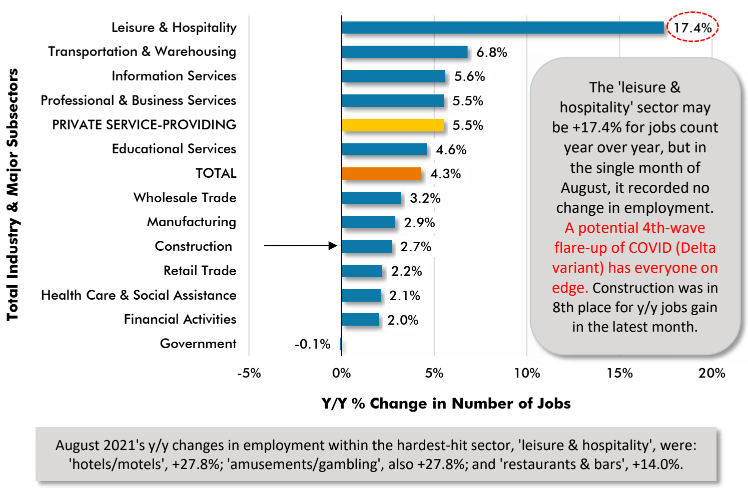
GRAPH 2: U.S. EMPLOYMENT AUGUST 2021 – % CHANGE Y/Y BASED ON SEASONALLY ADJUSTED (SA) DATA



The latest data points are for August, 2021.

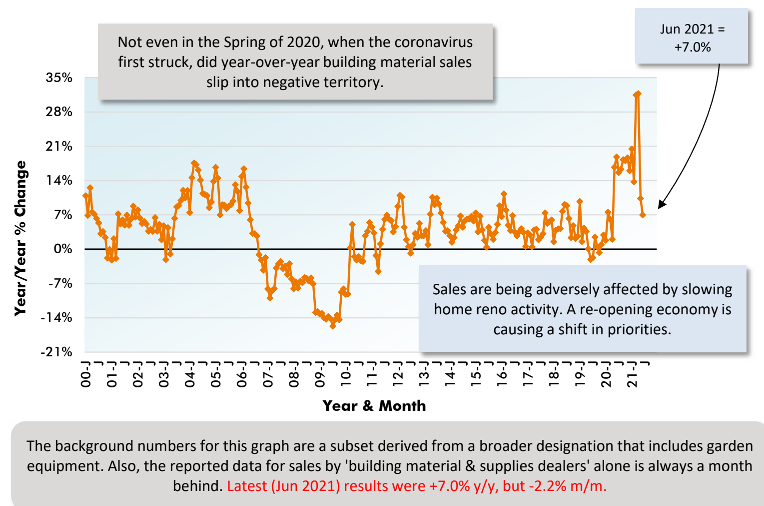
Data source: Payroll Survey, Bureau of Labor Statistics (U.S. Department of Labor)/Chart: ConstructConnect.

GRAPH 3: Y/Y JOBS CHANGE, U.S. TOTAL INDUSTRY & MAJOR SUBSECTORS – AUGUST 2021 (BASED ON SEASONALLY ADJUSTED PAYROLL DATA)



Data source: Payroll Survey, U.S. Bureau of Labor Statistics (Dept of Labor)/Chart: ConstructConnect.

GRAPH 4: SALES BY U.S. BUILDING MATERIAL & SUPPLIES DEALERS



Data Source: Census Bureau/Chart: ConstructConnect.

TABLE 2: MONITORING THE U.S. EMPLOYMENT RECOVERY — AUGUST 2021

The Big Drop (revised data) April 2020 vs Feb 2020 (Feb 2020 was last month unaffected by COVID-19) Millions			Change in Number of Jobs (Millions) Aug 2021 vs Feb 2020 (Feb 2020 was last month unaffected by COVID-19)	Aug 2021 vs Jul 2021 (i.e., vs previous month)	% Change Aug 2021 vs Feb 2020 (Feb 2020 was last month unaffected by COVID-19)	Aug 2021 vs Jul 2021 (i.e., vs previous month)	Jobs Recovery Since Apr 2020, Millions	Claw Back Ratio
-22.362	-14.7%	Grand Total	-5.333	0.235	-3.5%	0.2%	17.029	76.2%
-18.787	-17.3%	Private Services-Providing	-3.887	0.203	-3.6%	0.2%	14.900	79.3%
-1.385	-10.8%	Manufacturing	-0.378	0.037	-3.0%	0.3%	1.007	72.7%
-1.113	-14.6%	Construction	-0.232	-0.003	-3.0%	0.0%	0.881	79.2%
-2.375	-15.2%	Retail Trade	-0.285	-0.028	-1.8%	-0.2%	2.090	88.0%
-0.575	-9.9%	Transportation & Warehouse	0.022	0.053	0.4%	0.9%	0.597	103.8%
-0.279	-3.1%	Financial Activities	-0.029	0.016	-0.3%	0.2%	0.250	89.6%
-2.387	-11.1%	Professional & Business	-0.468	0.074	-2.2%	0.4%	1.919	80.4%
-0.281	-9.6%	Information Services	-0.150	0.017	-5.1%	0.6%	0.131	46.6%
-2.843	-11.6%	Education and Health	-0.905	0.035	-3.7%	0.1%	1.938	68.2%
-8.224	-48.6%	Leisure & Hospitality	-1.699	0.000	-10.0%	0.0%	6.525	79.3%
-1.009	-4.4%	Government	-0.790	-0.008	-3.5%	0.0%	0.219	21.7%

Data source: Bureau of Labor Statistics (BLS)/Table: ConstructConnect.

Continued from page 3

deteriorates to -77,000. Nevertheless, the not seasonally adjusted (NSA) unemployment rate in construction in the latest month tightened to 4.6% from 6.1% in July. In August 2020, it had been 7.6%. (The U.S. 'all jobs' NSA unemployment rate is currently 5.2%.)

Construction currently ranks a lowly eighth among a dozen major industrial sectors for year-over-year jobs gain. Construction's +2.7% places it just ahead of retail, at +2.2%, and a tad behind manufacturing, +2.9%. The leisure and hospitality sector has undertaken the greatest hiring spurt, +17.4% y/y. Other corners of the economy with close ties to construction have managed the following y/y increases in employment: architectural and engineering services, +5.3%; real estate firms, +5.0%; machinery and equipment rental and leasing, +4.8%; mining and logging, +3.1%; building material and supplies dealers, -0.8%; and cement and concrete product manufacturing, -2.3%. The +5.3% figure for project design firms augurs well for more construction crews being required in the field once authorizations to proceed are granted.

Pluses and Minuses among the Type of Structure Sub-categories

August's -14.2% month-to-month (m/m) decline in total nonresidential starts resulted from drops of -57.4% in industrial and -25.9% in engineering. Commercial stayed about even, +0.9%, while institutional notched a slight win, +6.7%.

The -11.1% step back in August 2021's total nonresidential starts versus August 2020 (y/y) was due to industrial taking a big tumble, -74.5%, and institutional and commercial also faltering, -12.5% and -10.1% respectively. Engineering made a modest gain, +7.3%.

The slide in total nonresidential starts year to date (Jan-Aug 2021/Jan-Aug 2020) of -6.4% owes its negative result to pullbacks of almost equal magnitude in industrial (-11.5%), commercial (-11.3%) and institutional (-11.2%), with engineering being slightly better than even (+0.8%).

There are two sub-categories, that when added together, account for a smidge more than one-third of total nonresidential starts year to date, educational with a share of 16.3% and roads/highways with a share of 18.2%. The important time frame metrics for school starts in August were +10.4% m/m; but -1.3% y/y; and -15.1% ytd. Street starts were off by -26.5% m/m, but they were +14.3% y/y and +6.6% ytd.

The category with the third largest share of total nonresidential starts ytd is 'water/sewage'. It also suffered a setback m/m in August (-11.2%), but it showed well y/y (+16.1%) and ytd (+11.2%).

Medical facility starts, combining the three sub-categories of hospitals/clinics, nursing/assisted living and miscellaneous medical, provided a 7.2% share of total nonresidential starts ytd in August. Groundbreakings in the combined health care category in the latest month were +9.0% m/m, -29.8% y/y and +0.4% ytd. Hospital/clinic starts on their own in August were +27.4% ytd.

Among other sub-categories of starts, good year-to-date performances have been turned in by retail/shopping (+8.1%), amusement (+12.8%), government offices (+24.3%) and miscellaneous commercial (+11.1% — see Coachella Valley arena in the Top 10 projects list, page 8). Poor year-to-date performances have been registered by hotels/motels (-42.3%), private offices (-32.3%), religious (-37.5%), bridges (-23.5%) and dam/marine work (-18.7%).

JOLTS Numbers Boost Inflationary Expectations

The monthly JOLTS statistics are exposing a glaring discrepancy. Job 'openings' in the construction sector, both as a level and a rate, are presently quite elevated, although they eased off in the latest month for which data is avail-

Continued on page 5

TABLE 3: CONSTRUCTION STARTS IN SOME ADDITIONAL TYPE OF STRUCTURE SUB-CATEGORIES — ConstructConnect®

	Jan-Aug 2021 ($ billions)	% Change vs Jan-Aug 2020
Sports Stadiums/Convention Centers	$3.016	-19.3%
Transportation Teminals	$2.925	81.5%
Courthouses	$1.688	42.0%
Police Stations & Fire Halls	$1.933	-10.2%
Prisons	$1.483	-12.6%
Pre-School/Elementary	$12.506	-21.4%
Junior & Senior High Schools	$19.936	-10.3%
K-12 (sum of above two categories)	$32.442	-14.9%
Special & Vocational Schools	$1.201	-18.3%
Colleges & Universities	$10.034	-15.4%
Electric Power Infrastructure	$7.335	144.4%

Source: ConstructConnect/Table: ConstructConnect.

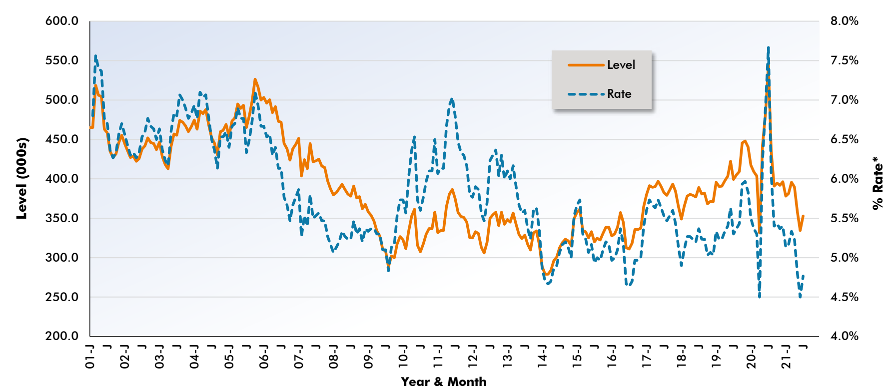
GRAPH 5: U.S. CONSTRUCTION JOB OPENINGS (FROM JOLTS REPORT) (3-MONTH MOVING AVERAGES PLACED IN LATEST MONTH)

Construction job 'openings', as both a level and a rate, remained quite high in July, although they dipped slightly from their prior month performances. Also, more than two years have now passed since their early 2019 peaks.

*Rate is number of job openings end-of-month as % of 'construction employment plus number of job openings'. Latest seasonally adjusted data points are for July 2021. ... JOLTS = Job Openings and Labor Turnover Survey.

Data source: Bureau of Labor Statistics (Dept of Labor)/Chart: ConstructConnect.

GRAPH 6: U.S. CONSTRUCTION JOB HIRES (FROM JOLTS REPORT) (3-MONTH MOVING AVERAGES PLACED IN LATEST MONTH)



There continues to be a disconnect between construction job openings, which are plentiful, and 'hires', which remain sluggish. The hires rate recently scraped bottom, but both the level and the rate did tick upwards in the latest month.

*Rate is number of hires during month as % of construction employment.
Latest seasonally adjusted data points are for July 2021. ... JOLTS = Job Openings and Labor Turnover Survey.

Data source: Bureau of Labor Statistics (Dept of Labor)/Chart: ConstructConnect.

Continued from page 4

able, July. But 'hires', as a level and even more so as a rate, have descended markedly over most of the past little while, although they managed small upward jogs in July.

The problem of finding willing and qualified workers is cropping up in many sectors throughout the economy. Among the best tried and true answers to a labor shortage has always been to offer better wages. This adds one more underlying concern when assessing inflationary expectations.

A Wealth of Interesting Stories in Starts Trend Lines

The 12-month moving average trend graphs on page 9 are telling interesting stories.

The descent in the nonresidential curve appears to have slowed considerably and heavy engineering is turning upwards. The institutional slide is continuing, but commercial's tailspin is finally reversing.

The descent in private office buildings hasn't relented, but after years of plummeting, retail has turned the corner. School/college starts, expressed as a trend line, are still in the doldrums. Hospitals/clinics, though, are moving sideways.

Roads/highways and water/sewage are heading upwards. Bridges, however, are on a downslope. Miscellaneous civil, after descending steeply (due to some mega projects dropping out of the 12-month moving average calculation), have moved into a holding pattern.

Y/Y Cost of Labor Wage Closing in on +5%

Tables B-3 and B-8 of the monthly *Employment Situation* report from the BLS 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 consider.

From Table B3 (including bosses), 'all jobs' earnings y/y in August were +4.3% both hourly and weekly. For construction workers, as a subset of 'all jobs', the compensation hikes were somewhat lower, but not by much, +3.9% hourly and +3.7% weekly. From Table B8 (excluding bosses), the 'all jobs' year-over-year earnings gains were +4.8% hourly and +5.4% weekly. Again, construction workers were left a little behind, +4.5% hourly and +4.7% weekly.

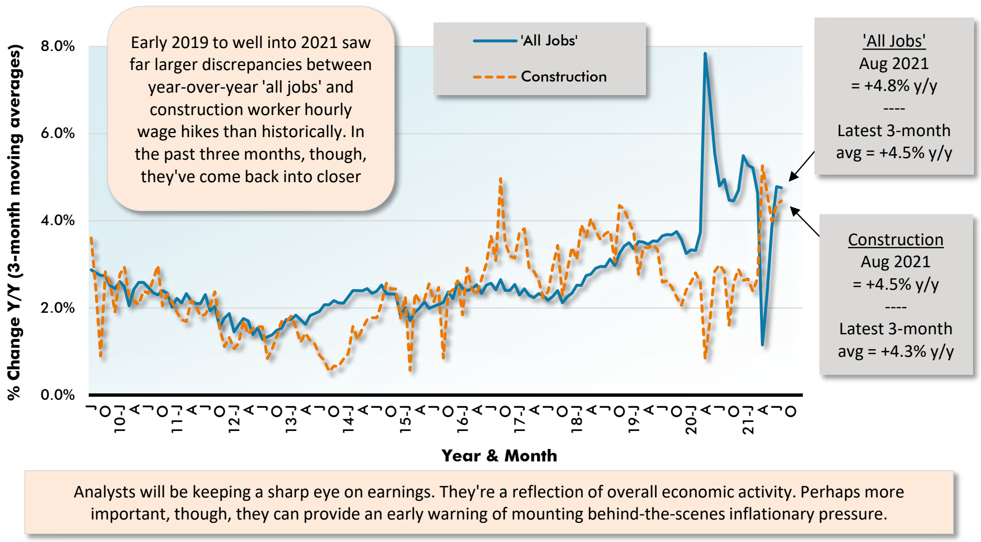
There's a significant takeaway from these compensation figures. Earlier during the past decade, wage increases, both generally and in construction, ranged between +2.0% and +3.0% y/y. They are now creeping towards +5.0% y/y. Lately, when considering the challenges facing the contracting community, there's been a tendency to fixate on rising material costs. Also warranting a careful look, though, are rising charges for the other key input component, labor.

Lumber Prices Recede, Other Material Costs Skyrocket

August 2021's y/y results for three structures-related BLS Producer Price Index (PPI) series

Continued on page 6

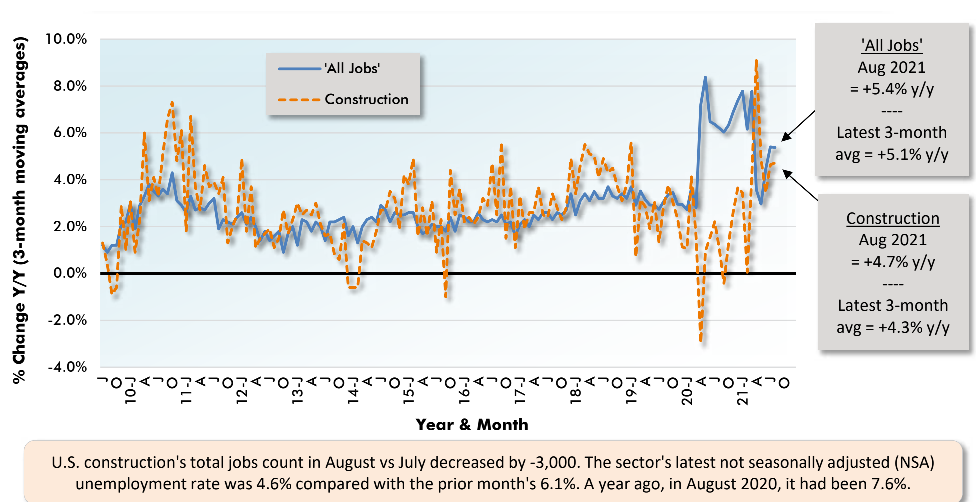
GRAPH 7: AVERAGE HOURLY EARNINGS Y/Y – 'ALL JOBS' & CONSTRUCTION



From 'Production Workers and Non-supervisory Personnel' Table (B8).
The latest data points are for August, 2021.

Data Source: Bureau of Labor Statistics (BLS)'s Employment Situation *report/Chart: ConstructConnect.*

GRAPH 8: AVERAGE WEEKLY EARNINGS Y/Y – 'ALL JOBS' & CONSTRUCTION



From 'Production Workers and Non-supervisory Personnel' Table (B8).
The latest data points are for August, 2021.

Data Source: Bureau of Labor Statistics (BLS)'s Employment Situation *report/Chart: ConstructConnect.*

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were as follows: 'construction materials special index', +31.1% (an enormous increase, but not quite as high as July's +33.1%); 'inputs to new construction index, excluding capital investment, labor and imports', +21.0% (again, a huge jump, but also a small step back from the previous month's figure, +25.4%) and 'final demand construction', designed to capture bid prices, +5.0% (a little more robust than July's +4.5%).

Concerning the cost of some major construction material inputs, as revealed in the Producer Price Index (PPI) data set published by the Bureau of Labor Statistics (BLS), softwood lumber in August was -9.8% (it had been +154.3% just three months ago in May); hot rolled steel bars, plates and structural shapes, +49.0% y/y; aluminum sheet and strip, +41.7%; copper wire and cable, +31.4%; and gypsum products, +22.9%.

The value of construction starts each month is derived 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 super-large, has a history of being more volatile than many other leading indicators for the economy.

August 2021's 'Grand Total' Starts +6.0% Ytd

From Table 10 on page 11 of this report, ConstructConnect's total residential starts in August were +12.9% m/m, +25.9% y/y and +24.6% ytd. Multi-family starts are beginning to display some perkiness. In the latest month, they may have been -0.4% y/y, but they were +7.1% m/m and +6.4% ytd. Blazing the brightest trail, though, have been single-family starts, +14.4% m/m, +34.4% y/y and +31.9% ytd. Including home building with all nonresidential categories, Grand Total starts in August 2021 were -2.3% m/m, +4.5% y/y and +6.0% ytd. ♦

Alex Carrick

ConstructConnect adopts a research-assigned 'start' 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.

Expansion Index Monitors Construction Prospects

The economy may be in recovery mode, but nonresidential work is usually a lagging player. Companies are hesitant to undertake capital spending until their personnel needs are rapidly expanding and their office square footage or plant footprints are straining capacity. Also, it helps if profits are abundant. (Today's greater tendency to work from home has made office occupancy much more difficult to assess.)

Each month, ConstructConnect publishes information on upcoming construction projects at its *Expansion Index* web location, to be found by clicking on this link, **https://www.constructconnect.com/expansion-index**

The *Expansion Index*, for hundreds of cities in the U.S. and Canada, calculates the ratio, based on dollar volume, of projects in the planning stage, at present, divided by the comparable figure a year ago. The ratio moves above 1.0 when there is currently a larger dollar volume of construction 'prospects' than there was last year at the same time. The ratio sinks below 1.0 when the opposite is the case. The results are set out in interactive maps for both countries.

TABLE 4: 2021 YTD RANKING OF TOP 20 STATES BY $ VOLUME OF NONRESIDENTIAL CONSTRUCTION STARTS — ConstructConnect®

		Jan-Aug 2021	% Change vs Jan-Aug 2020
1	Texas	$32,264,339,105	-5.9%
2	California	$23,273,084,894	-15.2%
3	Florida	$15,527,201,089	-2.3%
4	New York	$14,558,736,254	4.7%
5	Ohio	$10,262,825,266	-11.6%
6	Pennsylvania	$9,451,559,782	29.0%
7	North Carolina	$8,951,907,524	24.1%
8	Illinois	$8,939,464,278	-20.6%
9	Massachusetts	$8,593,616,299	22.8%
10	Georgia	$8,364,930,446	-11.1%
11	Minnesota	$7,486,009,987	15.6%
12	Tennessee	$6,799,165,128	19.9%
13	Missouri	$6,773,389,232	-9.1%
14	Michigan	$6,525,725,841	14.0%
15	Virginia	$6,337,808,322	-19.5%
16	Washington	$5,721,659,702	-48.3%
17	Arizona	$5,455,981,701	-11.5%
18	Wisconsin	$5,316,485,037	-24.6%
19	Indiana	$5,213,150,972	-12.1%
20	Colorado	$5,181,292,940	-4.0%

Figures are comprised of non-res building & engineering (residential is omitted).

TABLE 5: 2021 YTD RANKING OF TOP 20 STATES BY $ VOLUME OF NONRESIDENTIAL BUILDING CONSTRUCTION STARTS — ConstructConnect®

		Jan-Aug 2021	% Change vs Jan-Aug 2020
1	Texas	$18,672,229,026	-18.5%
2	California	$13,063,579,760	-7.4%
3	Florida	$9,613,241,227	-7.7%
4	New York	$9,036,378,681	-7.6%
5	North Carolina	$6,555,083,894	16.4%
6	Pennsylvania	$6,525,682,460	70.8%
7	Ohio	$6,251,244,382	-19.3%
8	Georgia	$5,521,955,048	-14.2%
9	Tennessee	$5,382,425,342	29.7%
10	Virginia	$4,522,447,724	-5.3%
11	Arizona	$4,508,297,822	-3.9%
12	Missouri	$4,490,484,541	-20.7%
13	Illinois	$4,233,672,300	-30.8%
14	Massachusetts	$3,821,745,607	-26.0%
15	Washington	$3,567,211,527	-25.1%
16	Alabama	$3,509,864,451	44.5%
17	Colorado	$3,316,505,655	-6.9%
18	Maryland	$3,059,006,409	-18.2%
19	Michigan	$2,856,436,093	-13.9%
20	New Jersey	$2,840,012,643	7.0%

TABLE 6: 2021 YTD RANKING OF TOP 20 STATES BY $ VOLUME OF HEAVY ENGINEERING/CIVIL CONSTRUCTION STARTS — ConstructConnect®

		Jan-Aug 2021	% Change vs Jan-Aug 2020
1	Texas	$13,592,110,079	19.5%
2	California	$10,209,505,134	-23.5%
3	Florida	$5,913,959,862	8.1%
4	New York	$5,522,357,573	33.8%
5	Minnesota	$5,451,842,973	59.1%
6	Massachusetts	$4,771,870,692	160.9%
7	Illinois	$4,705,791,978	-8.5%
8	Ohio	$4,011,580,884	3.6%
9	Michigan	$3,669,289,748	52.4%
10	Pennsylvania	$2,925,877,322	-16.6%
11	Wisconsin	$2,877,035,467	12.3%
12	Georgia	$2,842,975,398	-4.4%
13	Indiana	$2,412,642,095	-6.7%
14	North Carolina	$2,396,823,630	51.3%
15	Missouri	$2,282,904,691	28.0%
16	Washington	$2,154,448,175	-65.8%
17	New Jersey	$2,136,808,473	-15.2%
18	Iowa	$1,882,567,211	-10.4%
19	Colorado	$1,864,787,285	1.5%
20	Maine	$1,821,080,242	120.0%

Data source and Tables: ConstructConnect.

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 50,000 followers.

INSIGHT view of starts statistics

TABLE 7: VALUE OF UNITED STATES CONSTRUCTION STARTS
ConstructConnect® INSIGHT VERSION — AUGUST 2021
ARRANGED TO MATCH THE ALPHABETICAL CATEGORY DROP-DOWN MENUS IN INSIGHT

		Jan-Aug 2021 ($ billions)	% Change Jan-Aug 21 vs Jan-Aug 20	% Change Aug 21 vs Aug 20	% Change Aug 21 vs Jul 21
Summary					
CIVIL		112.302	0.8%	7.3%	-25.9%
NONRESIDENTIAL BUILDING		155.625	-10.9%	-20.6%	-3.5%
RESIDENTIAL		238.201	24.6%	25.9%	12.9%
GRAND TOTAL		506.128	6.0%	4.5%	-2.3%
Verticals					
	Airport	3.888	-4.6%	12.4%	43.0%
	All Other Civil	10.759	-25.6%	-18.4%	14.9%
	Bridges	13.036	-23.5%	24.5%	-5.0%
	Dams / Canals / Marine Work	4.462	-18.7%	-3.1%	35.9%
	Power Infrastructure	7.335	144.4%	-74.6%	-97.0%
	Roads	48.873	6.6%	14.3%	-26.5%
	Water and Sewage Treatment	23.949	11.2%	16.1%	-11.2%
CIVIL		112.302	0.8%	7.3%	-25.9%
	Offices (private)	11.722	-32.3%	-29.7%	37.2%
	Parking Garages	1.261	-1.2%	-12.9%	-9.7%
	Transportation Terminals	2.925	81.5%	31.2%	26.5%
Commercial (small subset)		15.908	-21.3%	-26.2%	32.6%
	Amusement	4.762	12.8%	53.5%	-50.6%
	Libraries / Museums	1.726	-44.3%	-52.0%	-66.6%
	Religious	0.651	-37.5%	38.3%	299.7%
	Sports Arenas / Convention Centers	3.016	-19.3%	-24.9%	255.4%
Community		10.155	-16.1%	-1.8%	-24.4%
	College / University	10.034	-15.4%	26.8%	24.9%
	Elementary / Pre School	12.506	-21.4%	-19.1%	6.4%
	Jr / Sr High School	19.936	-10.3%	-4.5%	6.8%
	Special / Vocational	1.201	-18.3%	-18.2%	-25.5%
Educational		43.676	-15.1%	-1.3%	10.4%
	Courthouses	1.688	42.0%	-36.1%	-67.7%
	Fire and Police Stations	1.933	-10.2%	-14.3%	50.4%
	Government Offices	8.365	24.3%	37.6%	-42.6%
	Prisons	1.483	-12.6%	-49.8%	108.7%
Government		13.469	14.5%	-1.6%	-32.5%
	Industrial Labs / Labs / School Labs	1.400	-1.4%	139.6%	23.6%
	Manufacturing	12.955	-11.5%	-74.5%	-57.4%
	Warehouses	15.605	-13.9%	-30.2%	4.3%
Industrial		29.960	-12.4%	-52.7%	-27.7%
	Hospitals / Clinics	11.106	27.4%	-35.9%	-19.5%
	Medical Misc.	4.192	-24.3%	-10.6%	19.8%
	Nursing Homes	3.973	-19.5%	-34.7%	95.6%
Medical		19.272	0.4%	-29.8%	9.0%
Military		5.614	-3.4%	-1.1%	-3.3%
	Hotels	4.502	-42.3%	-29.6%	-40.4%
	Retail Misc.	3.931	4.6%	-22.4%	-28.4%
	Shopping	9.137	8.1%	31.9%	85.4%
Retail		17.570	-12.2%	3.5%	12.6%
NONRESIDENTIAL BUILDING		155.625	-10.9%	-20.6%	-3.5%
	Multi-Family	57.751	6.4%	-0.4%	7.1%
	Single-Family	180.450	31.9%	34.4%	14.4%
RESIDENTIAL		238.201	24.6%	25.9%	12.9%
NONRESIDENTIAL		267.927	-6.4%	-11.1%	-14.2%
GRAND TOTAL		506.128	6.0%	4.5%	-2.3%

Table 1 conforms to the type-of-structure ordering adopted by many firms and organizations in the industry. Specifically, it breaks nonresidential building into ICI work (i.e., industrial, commercial and institutional), since each has its own set of economic and demographic drivers.

Table 7 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.

"Top Ten" projects of the month

TABLE 8: ConstructConnect's TOP 10 PROJECT STARTS IN AUGUST 2021

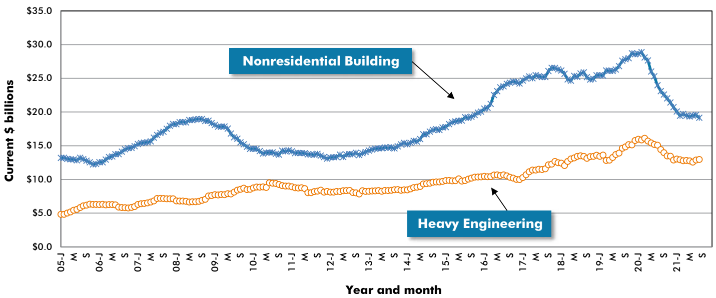
LOCATION (EAST TO WEST)	TYPE OF CONSTRUCTION	DESCRIPTION	SQUARE FEET 000S*	DOLLARS 000,000S
South Carolina				
Greenville	Residential	Greenville County Square Project (6 structures; 1137 units) 302 University Ridge KDS Properties	1,100	$1,100
Missouri				
Kansas City	Commercial	Google Data Center "Project Shale" - Hunt Midwest Business Center (1 structure) N Arlington Ave & NE Parvin Rd Hunt Midwest Enterprises Inc.	475	$600
Kansas City	Residential	Twin Creeks Village Mixed-Use (7 structures; 4 stories; 1362 units) 9400 N Platte Purchase Dr MD Management	2,712	$375
Texas				
Sweeny	Industrial	Chevron Phillips Chemical 1-Hexene Sweeny/Old Ocean (1 structure) 21441 Loop 419 Chevron Phillips Chemical	*	$400
Arizona				
Mesa	Commercial	Facebook Data Center - Phase 1 (1 structure) E Elliot Rd & S Ellsworth Rd Facebook Inc. - Corporate Headquarters	970	$800
Oregon				
Portland	Residential	SOWA Willamette Blocks 41 Through 45 Mixed-Use (3 structures; 1232 units) SW Bond Ave Alamo Manhattan LLC	1,200	$452
Prineville	Commercial	Facebook Inc. Data Center Expansion - Buildings 10 & 11 (1 structure) 735 SW Connect Way Facebook Inc. - Corporate Headquarters	900	$380
Portland	Institutional	Benson High School Modernization CM/GC (1 structure; 2 stories) 546 NE 12th Ave Portland Public Schools	165	$330
California				
Los Angeles	Civil/Engineering	I-5 North Capacity Enhancement Project (1 structure) Multiple Locations Los Angeles County Metropolitan Transportation Authority	*	$390
Palm Desert	Commercial	Coachella Valley Arena (3 structures; 10,000 seats) Cook St & Varner Rd Agua Caliente Band of Cahuilla Indians	300	$290
TOTALS:			**7,822**	**$5,117**

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

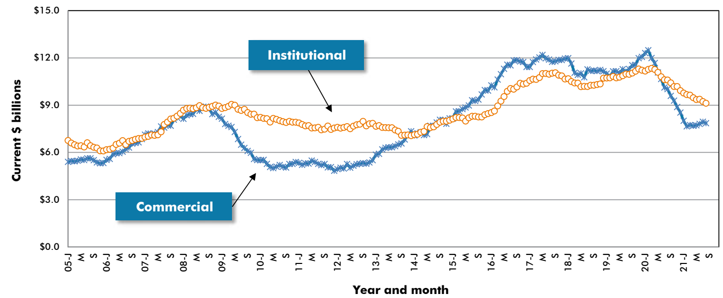
Source: ConstructConnect/Table: ConstructConnect.

Trend graphs for 12 key categories

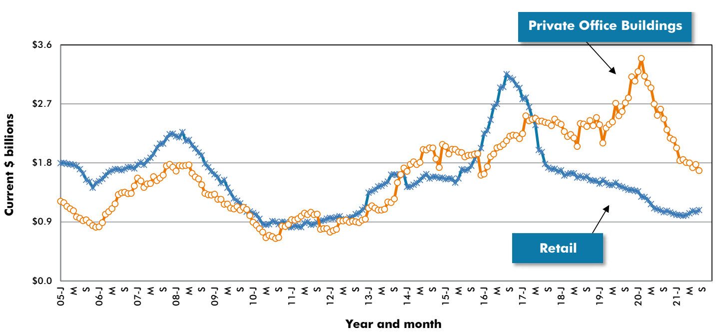
GRAPH 9: U.S. NONRESIDENTIAL CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



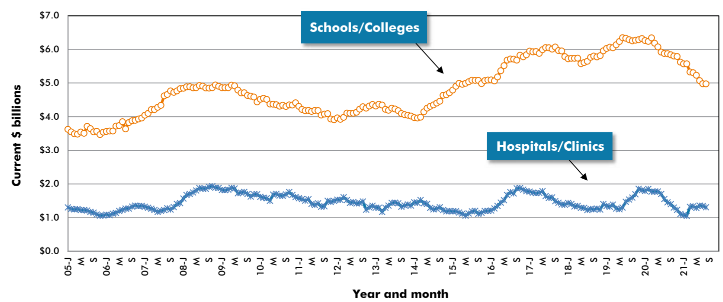
GRAPH 10: U.S. COMMERCIAL AND INSTITUTIONAL CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



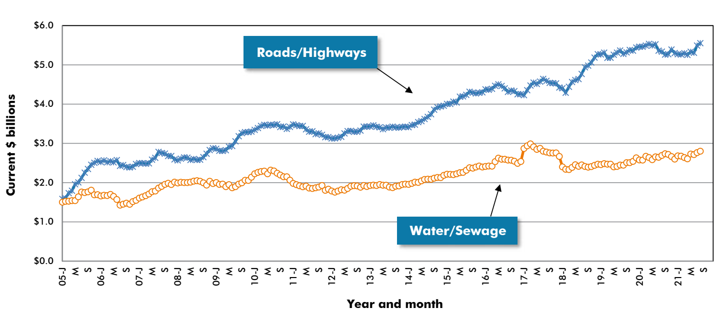
GRAPH 11: U.S. RETAIL AND PRIVATE OFFICE BUILDING CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



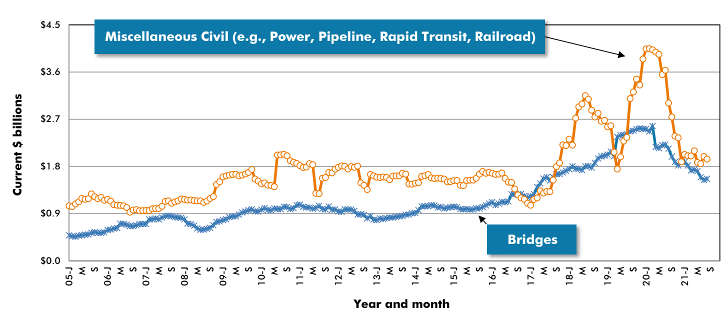
GRAPH 12: U.S. HOSPITAL/CLINIC AND SCHOOL/COLLEGE CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



GRAPH 13: U.S. ROAD/HIGHWAY AND WATER/SEWAGE CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



GRAPH 14: U.S. BRIDGES AND MISCELLANEOUS CIVIL CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



The last data points in all the graphs on this page are for August, 2021.

Source: ConstructConnect/Charts: ConstructConnect.

Regional starts table

TABLE 9: U.S. YEAR-TO-DATE REGIONAL STARTS, NONRESIDENTIAL CONSTRUCTION* — ConstructConnect®

	Jan-Aug 2020	Jan-Aug 2021	% Change
Connecticut	$2,843,650,515	$1,996,933,100	-29.8%
Maine	$1,288,684,345	$2,409,156,193	86.9%
Massachusetts	$6,995,413,539	$8,593,616,299	22.8%
New Hampshire	$741,164,746	$1,009,945,714	36.3%
Rhode Island	$593,660,957	$685,893,568	15.5%
Vermont	$455,333,478	$305,297,293	-33.0%
Total New England	$12,917,907,580	$15,000,842,167	16.1%
New Jersey	$5,173,329,302	$4,976,821,116	-3.8%
New York	$13,904,106,268	$14,558,736,254	4.7%
Pennsylvania	$7,326,290,112	$9,451,559,782	29.0%
Total Middle Atlantic	$26,403,725,682	$28,987,117,152	9.8%
TOTAL NORTHEAST	$39,321,633,262	$43,987,959,319	11.9%
Illinois	$11,262,666,670	$8,939,464,278	-20.6%
Indiana	$5,933,823,807	$5,213,150,972	-12.1%
Michigan	$5,725,881,574	$6,525,725,841	14.0%
Ohio	$11,615,876,332	$10,262,825,266	-11.6%
Wisconsin	$7,055,419,041	$5,316,485,037	-24.6%
Total East North Central	$41,593,667,424	$36,257,651,394	-12.8%
Iowa	$3,889,446,678	$3,861,445,843	-0.7%
Kansas	$3,416,439,119	$2,120,682,054	-37.9%
Minnesota	$6,476,503,133	$7,486,009,987	15.6%
Missouri	$7,449,229,681	$6,773,389,232	-9.1%
Nebraska	$3,396,863,519	$2,648,488,493	-22.0%
North Dakota	$1,974,228,655	$1,702,204,011	-13.8%
South Dakota	$886,155,715	$1,480,383,960	67.1%
Total West North Central	$27,488,866,500	$26,072,603,580	-5.2%
TOTAL MIDWEST	$69,082,533,924	$62,330,254,974	-9.8%
Delaware	$1,296,104,341	$766,361,515	-40.9%
District of Columbia	$636,612,002	$682,664,032	7.2%
Florida	$15,885,653,482	$15,527,201,089	-2.3%
Georgia	$9,409,376,502	$8,364,930,446	-11.1%
Maryland	$4,921,936,313	$3,865,890,056	-21.5%
North Carolina	$7,215,567,991	$8,951,907,524	24.1%
South Carolina	$3,819,474,356	$3,669,395,030	-3.9%
Virginia	$7,877,815,597	$6,337,808,322	-19.5%
West Virginia	$1,844,905,885	$789,472,420	-57.2%
Total South Atlantic	$52,907,446,469	$48,955,630,434	-7.5%
Alabama	$3,556,945,608	$4,890,473,014	37.5%
Kentucky	$2,356,373,956	$2,470,456,863	4.8%
Mississippi	$2,132,587,952	$1,542,281,369	-27.7%
Tennessee	$5,671,920,370	$6,799,165,128	19.9%
Total East South Central	$13,717,827,886	$15,702,376,374	14.5%
Arkansas	$2,846,558,338	$1,758,780,121	-38.2%
Louisiana	$3,289,145,370	$3,583,354,125	8.9%
Oklahoma	$2,849,326,968	$3,033,835,353	6.5%
Texas	$34,274,870,141	$32,264,339,105	-5.9%
Total West South Central	$43,259,900,817	$40,640,308,704	-6.1%
TOTAL SOUTH	$109,885,175,172	$105,298,315,512	-4.2%
Arizona	$6,161,545,716	$5,455,981,701	-11.5%
Colorado	$5,398,025,209	$5,181,292,940	-4.0%
Idaho	$1,075,828,374	$907,837,325	-15.6%
Montana	$1,172,487,166	$769,137,213	-34.4%
Nevada	$2,945,088,295	$2,914,755,884	-1.0%
New Mexico	$1,413,349,360	$1,361,256,962	-3.7%
Utah	$5,100,107,689	$3,625,941,498	-28.9%
Wyoming	$730,323,398	$749,524,350	2.6%
Total Mountain	$23,996,755,207	$20,965,727,873	-12.6%
Alaska	$951,801,177	$851,896,167	-10.5%
California	$27,453,741,184	$23,273,084,894	-15.2%
Hawaii	$1,388,978,162	$1,433,894,070	3.2%
Oregon	$3,048,903,264	$4,063,864,612	33.3%
Washington	$11,065,058,104	$5,721,659,702	-48.3%
Total Pacific	$43,908,481,891	$35,344,399,445	-19.5%
TOTAL WEST	$67,905,237,098	$56,310,127,318	-17.1%
TOTAL U.S.	$286,194,579,456	$267,926,657,123	-6.4%

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

Source: ConstructConnect/Table: ConstructConnect.

Detailed national table

TABLE 10: VALUE OF U.S. NATIONAL CONSTRUCTION STARTS — AUGUST 2021 — 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.	
	Jun 21	Jul 21	Aug 21	Jun 21	Jul 21	Aug 21	Jun 21	Jul 21	Aug 21	Jan-Aug 2020	Jan-Aug 2021
Single Family	25.650	24.114	27.580	23.614	24.244	25.781	21.037	21.321	21.909	136.836	180.450
month-over-month % change	11.7%	-6.0%	14.4%	3.2%	2.7%	6.3%	2.8%	1.4%	2.8%		
year-over-year % change	36.2%	16.5%	34.4%	49.0%	34.0%	28.8%	28.1%	28.3%	30.0%	2.6%	31.9%
Apartment	7.210	6.149	6.584	8.146	6.983	6.648	7.158	7.077	7.075	54.300	57.751
month-over-month % change	-5.0%	-14.7%	7.1%	0.7%	-14.3%	-4.8%	-0.4%	-1.1%	0.0%		
year-over-year % change	-4.2%	-13.6%	-0.4%	24.4%	-1.0%	-6.2%	-10.1%	-11.7%	-8.9%	-9.7%	6.4%
TOTAL RESIDENTIAL	32.860	30.263	34.164	31.760	31.227	32.429	28.195	28.398	28.984	191.136	238.201
month-over-month % change	7.5%	-7.9%	12.9%	2.5%	-1.7%	3.9%	2.0%	0.7%	2.1%		
year-over-year % change	24.7%	8.8%	25.9%	41.8%	24.2%	19.6%	15.6%	15.3%	17.7%	-1.2%	24.6%
Hotel/Motel	0.814	0.703	0.419	0.662	0.698	0.645	0.599	0.593	0.578	7.801	4.502
month-over-month % change	41.1%	-13.6%	-40.4%	12.6%	5.4%	-7.5%	4.3%	-1.0%	-2.5%		
year-over-year % change	56.5%	-9.2%	-29.6%	5.3%	25.0%	2.5%	-60.8%	-59.5%	-58.5%	-46.6%	-42.3%
Retail/Shopping	1.493	0.815	1.510	1.280	1.177	1.273	1.069	1.050	1.081	8.449	9.137
month-over-month % change	22.0%	-45.5%	85.4%	9.7%	-8.0%	8.1%	3.7%	-1.8%	2.9%		
year-over-year % change	44.8%	-21.6%	31.9%	31.3%	19.5%	18.7%	-3.5%	-4.0%	0.4%	-29.8%	8.1%
Parking Garages	0.114	0.177	0.160	0.097	0.138	0.151	0.139	0.146	0.144	1.276	1.261
month-over-month % change	-6.8%	55.7%	-9.7%	-14.8%	42.5%	9.2%	-0.5%	4.7%	-1.4%		
year-over-year % change	-6.6%	78.6%	-12.9%	-27.8%	-3.5%	11.5%	-28.7%	-16.2%	-15.6%	-46.8%	-1.2%
Amusement	0.674	1.131	0.559	0.531	0.776	0.788	0.491	0.554	0.570	4.222	4.762
month-over-month % change	28.9%	67.9%	-50.6%	3.8%	46.2%	1.5%	2.3%	12.8%	2.9%		
year-over-year % change	24.1%	199.2%	53.5%	-0.3%	77.5%	83.9%	-22.9%	-2.3%	2.5%	-17.9%	12.8%
Office	0.847	1.887	2.589	1.084	1.254	1.774	1.727	1.774	1.683	17.321	11.722
month-over-month % change	-17.7%	122.8%	37.2%	-16.0%	15.7%	41.5%	-4.0%	2.7%	-5.1%		
year-over-year % change	-50.5%	43.1%	-29.7%	-31.5%	-8.9%	-20.7%	-36.0%	-29.7%	-35.7%	-22.9%	-32.3%
Governmental Offices	0.796	2.140	1.228	0.902	1.306	1.388	0.890	0.997	1.025	6.731	8.365
month-over-month % change	-19.0%	168.9%	-42.6%	-3.4%	44.8%	6.3%	-1.0%	12.1%	2.8%		
year-over-year % change	-11.9%	151.9%	37.6%	8.2%	59.4%	57.4%	-9.3%	9.8%	16.0%	-14.5%	24.3%
Laboratories	0.179	0.236	0.292	0.137	0.182	0.236	0.169	0.176	0.191	1.420	1.400
month-over-month % change	38.6%	31.7%	23.6%	-12.9%	32.3%	29.8%	-2.2%	4.6%	8.0%		
year-over-year % change	-20.2%	64.3%	139.6%	10.4%	22.9%	44.3%	-21.1%	-18.9%	-1.9%	-5.6%	-1.4%
Warehouse	1.929	1.575	1.642	2.350	1.831	1.715	2.044	2.024	1.964	18.131	15.605
month-over-month % change	-2.9%	-18.3%	4.3%	-7.1%	-22.1%	-6.3%	-3.4%	-1.0%	-2.9%		
year-over-year % change	-30.8%	-13.5%	-30.2%	-8.6%	-20.6%	-26.1%	-3.8%	-5.8%	-7.6%	19.4%	-13.9%
Misc Commercial	2.573	0.303	0.645	1.184	1.089	1.173	0.683	0.629	0.622	5.348	5.941
month-over-month % change	556.6%	-88.2%	112.9%	88.0%	-8.0%	7.7%	32.9%	-7.9%	-1.0%		
year-over-year % change	374.0%	-68.2%	-10.8%	118.8%	63.9%	58.7%	-41.9%	-38.6%	-37.9%	-61.6%	11.1%
TOTAL COMMERCIAL	9.419	8.968	9.045	8.228	8.451	9.144	7.811	7.944	7.859	70.699	62.695
month-over-month % change	35.2%	-4.8%	0.9%	3.9%	2.7%	8.2%	1.1%	1.7%	-1.1%		
year-over-year % change	12.4%	21.6%	-10.1%	3.9%	13.6%	6.2%	-26.7%	-21.5%	-21.6%	-25.7%	-11.3%
TOTAL INDUSTRIAL (Manufacturing)	1.115	2.097	0.892	1.431	1.728	1.368	1.796	1.876	1.659	14.638	12.955
month-over-month % change	-43.5%	88.0%	-57.4%	-34.5%	20.7%	-20.8%	1.5%	4.5%	-11.6%		
year-over-year % change	38.8%	85.1%	-74.5%	-15.3%	14.0%	-24.5%	-44.5%	-29.4%	-13.4%	-69.2%	-11.5%
Religious	0.085	0.037	0.148	0.085	0.069	0.090	0.105	0.100	0.104	1.043	0.651
month-over-month % change	-0.1%	-56.1%	299.7%	-9.2%	-18.6%	30.9%	-3.1%	-4.2%	3.4%		
year-over-year % change	-32.4%	-58.8%	38.3%	-20.6%	-39.0%	-16.3%	-26.8%	-27.8%	-22.9%	-20.8%	-37.5%
Hosptials/Clinics	1.875	0.965	0.776	1.156	1.131	1.205	1.360	1.345	1.309	8.715	11.106
month-over-month % change	239.2%	-48.5%	-19.5%	-36.8%	-2.2%	6.6%	5.4%	-1.1%	-2.7%		
year-over-year % change	80.2%	-15.5%	-35.9%	14.2%	1.8%	6.6%	-20.2%	-13.3%	-10.2%	-33.0%	27.4%
Nursing/Assisted Living	0.826	0.264	0.516	0.628	0.553	0.536	0.577	0.566	0.543	4.934	3.973
month-over-month % change	45.4%	-68.0%	95.6%	11.2%	-11.9%	-3.1%	3.1%	-1.9%	-4.0%		
year-over-year % change	33.2%	-33.1%	-34.7%	7.2%	11.5%	-11.0%	-13.1%	-11.6%	-19.3%	-23.6%	-19.5%
Libraries/Museums	0.229	0.341	0.114	0.226	0.306	0.228	0.195	0.204	0.194	3.097	1.726
month-over-month % change	-34.3%	48.6%	-66.6%	-1.8%	35.3%	-25.6%	-3.9%	4.8%	-5.0%		
year-over-year % change	-29.5%	48.5%	-52.0%	-27.6%	2.7%	-13.7%	-51.5%	-46.5%	-50.5%	25.5%	-44.3%
Fire/Police/Courthouse/Prison	0.878	0.619	0.635	0.668	0.674	0.711	0.708	0.710	0.679	5.038	5.104
month-over-month % change	67.5%	-29.5%	2.6%	26.5%	0.8%	5.5%	4.5%	0.2%	-4.3%		
year-over-year % change	71.7%	3.0%	-36.6%	43.1%	33.2%	0.8%	16.1%	13.5%	3.3%	23.4%	1.3%
Military	1.248	0.645	0.624	0.741	0.873	0.839	0.748	0.752	0.752	5.811	5.614
month-over-month % change	71.6%	-48.3%	-3.3%	16.6%	17.9%	-3.9%	7.1%	0.6%	-0.1%		
year-over-year % change	90.2%	8.8%	-1.1%	-28.5%	50.3%	33.9%	13.7%	11.0%	7.0%	139.0%	-3.4%
Schools/Colleges	7.739	5.185	5.725	6.701	6.442	6.216	5.074	4.981	4.975	51.465	43.676
month-over-month % change	20.9%	-33.0%	10.4%	19.3%	-3.9%	-3.5%	-3.0%	-1.8%	-0.1%		
year-over-year % change	-19.5%	-17.7%	-1.3%	-13.2%	-16.8%	-14.1%	-14.3%	-15.3%	-15.3%	-9.5%	-15.1%
Misc Medical	0.728	0.438	0.524	0.616	0.541	0.563	0.607	0.576	0.571	5.538	4.192
month-over-month % change	59.0%	-39.9%	19.8%	18.5%	-12.1%	4.1%	3.7%	-5.1%	-0.9%		
year-over-year % change	55.4%	-46.0%	-10.6%	-2.4%	-23.6%	-9.4%	-14.0%	-20.3%	-18.8%	-14.0%	-24.3%
TOTAL INSTITUTIONAL	13.608	8.493	9.063	10.819	10.588	10.388	9.374	9.235	9.127	85.639	76.044
month-over-month % change	40.8%	-37.6%	6.7%	8.0%	-2.1%	-1.9%	0.2%	-1.5%	-1.2%		
year-over-year % change	1.8%	-16.4%	-12.5%	-8.9%	-8.4%	-8.0%	-13.3%	-13.0%	-13.9%	-8.0%	-11.2%
Misc Non Residential	0.443	0.538	0.385	0.525	0.541	0.455	0.490	0.503	0.493	3.757	3.931
month-over-month % change	-30.9%	21.2%	-28.4%	-2.2%	3.1%	-15.9%	-1.6%	2.6%	-1.8%		
year-over-year % change	-17.8%	39.3%	-22.4%	15.0%	20.9%	-3.9%	-16.9%	-12.1%	-12.3%	-19.6%	4.6%
TOTAL NON-RES BUILDING	24.585	20.095	19.385	21.003	21.308	21.355	19.470	19.557	19.138	174.733	155.625
month-over-month % change	27.8%	-18.3%	-3.5%	1.7%	1.5%	0.2%	0.6%	0.4%	-2.1%		
year-over-year % change	6.5%	5.5%	-20.6%	-4.3%	1.7%	-3.8%	-23.0%	-18.4%	-17.1%	-27.3%	-10.9%
Airports	0.823	0.568	0.811	0.661	0.715	0.734	0.489	0.479	0.487	4.076	3.888
month-over-month % change	8.9%	-31.1%	43.0%	45.7%	8.3%	2.6%	-1.1%	-2.0%	1.6%		
year-over-year % change	-7.6%	-17.0%	12.4%	13.9%	1.3%	-4.1%	-12.9%	-9.8%	-9.0%	-19.3%	-4.6%
Roads/Highways	6.802	8.104	5.959	7.228	7.545	6.955	5.309	5.491	5.553	45.851	48.873
month-over-month % change	-12.0%	19.1%	-26.5%	4.0%	4.4%	-7.8%	-0.5%	3.4%	1.1%		
year-over-year % change	-4.2%	37.0%	14.3%	0.6%	14.2%	14.4%	-3.9%	2.4%	4.0%	-2.6%	6.6%
Bridges	1.546	1.493	1.419	1.735	1.566	1.486	1.594	1.539	1.563	17.045	13.036
month-over-month % change	-6.9%	-3.4%	-5.0%	-3.5%	-9.7%	-5.1%	-6.8%	-3.4%	1.5%		
year-over-year % change	-47.4%	-30.3%	24.5%	-22.8%	-33.7%	-28.4%	-27.7%	-30.5%	-26.9%	-21.0%	-23.5%
Dams/Marine	0.659	0.575	0.781	0.567	0.569	0.672	0.604	0.607	0.605	5.489	4.462
month-over-month % change	39.4%	-12.9%	35.9%	8.0%	0.4%	18.0%	-0.2%	0.5%	-0.3%		
year-over-year % change	-2.3%	6.6%	-3.1%	-24.8%	-17.9%	-0.2%	-11.4%	-10.8%	-14.8%	-0.5%	-18.7%
Water/Sewage	3.293	3.498	3.108	3.188	3.489	3.300	2.717	2.768	2.803	21.530	23.949
month-over-month % change	-10.4%	6.2%	-11.2%	6.2%	9.4%	-5.4%	-0.5%	1.9%	1.3%		
year-over-year % change	-4.5%	20.9%	16.1%	10.6%	22.1%	9.8%	2.2%	4.6%	4.0%	3.5%	11.2%
Misc Civil (Power, etc.)	1.710	4.200	1.584	1.763	2.356	2.498	1.852	1.989	1.940	17.471	18.095
month-over-month % change	47.9%	145.6%	-62.3%	2.0%	33.7%	6.0%	-1.4%	7.4%	-2.5%		
year-over-year % change	-15.3%	64.6%	-27.3%	-25.1%	-15.5%	11.0%	-47.8%	-45.3%	-35.6%	-36.5%	3.6%
TOTAL ENGINEERING (Civil)	14.834	18.438	13.662	15.141	16.240	15.645	12.564	12.873	12.950	111.462	112.302
month-over-month % change	-4.0%	24.3%	-25.9%	4.7%	7.3%	-3.7%	-1.5%	2.5%	0.6%		
year-over-year % change	-13.1%	25.2%	7.3%	-5.4%	1.4%	5.4%	-17.2%	-14.6%	-10.2%	-12.6%	0.8%
GRAND TOTAL	72.278	68.796	67.211	67.904	68.775	69.429	60.229	60.829	61.072	477.330	506.128
month-over-month % change	10.8%	-4.8%	-2.3%	2.8%	1.3%	1.0%	0.8%	1.0%	0.4%		
year-over-year % change	8.7%	11.7%	4.5%	12.5%	10.7%	8.2%	-7.1%	-4.5%	-1.7%	-15.0%	6.0%
NON-RES BLDG + ENGINEERING	***39.419***	***38.533***	***33.047***	***36.143***	***37.548***	***37.000***	***32.034***	***32.430***	***32.088***	***286.195***	***267.927***
month-over-month % change	***13.6%***	***-2.2%***	***-14.2%***	***2.9%***	***3.9%***	***-1.5%***	***-0.2%***	***1.2%***	***-1.1%***		
year-over-year % change	***-1.9%***	***14.1%***	***-11.1%***	***-4.7%***	***1.6%***	***-0.1%***	***-20.9%***	***-16.9%***	***-14.5%***	***-22.2%***	***-6.4%***

Source: ConstructConnect/Table: ConstructConnect.