constructconnect

AUGUST 2021 (based on July 2021 Starts Stats)

Construction Industry Snapshot

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July's Nonresidential Construction Starts -3% M/M, +11% Y/Y & -7% YTD

ConstructConnect announced today that July 2021's volume of construction starts, excluding residential work, was $37.6 billion, a decrease of -3.1% vs June 2021's level. Compared with July 2020, they were +11.3%. On a year-to-date basis, they were -7.1%.

GRAND TOTAL starts in July 2021 (i.e., including residential activity) were +4% m/m, +19% y/y and +6% ytd.

	Commercial	Retail	Private Office	Hotel & Motel	Industrial	Institutional	Schools	Hospitals & Clinics	Heavy Engineering	Total Non-Residential
Jul 2021 vs Jun 2021	-5%	-47%	+91%	-6%	+100%	-39%	-34%	-53%	+24%	-3%
Jan-Jul 2021 vs Jan-Jul 2020	-14%	+4%	-36%	-45%	-1%	-12%	-18%	+36%	-1%	-7%
Jan-Jul 2020 vs Jan-Jul 2019	-28%	-32%	-32%	-45%	-68%	-9%	-10%	-30%	-8%	-20%

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July's Nonresidential Construction Starts -3% M/M, +11% Y/Y & -7% YTD

ConstructConnect announced today that July 2021's volume of construction starts, excluding residential work, was $37.6 billion (*green shaded box, Table 10, page 11*), a decrease of -3.1% vs June 2021's $38.8 billion (originally reported as $38.4 billion).

Compared with July 2020, however, the latest month's dollar volume of total nonresidential starts was +11.3%. On a year-to-date basis (Jan-Jul 2021/Jan-Jul 2020), they've been -7.1%.

A Wind Farm, a Warehouse, an Office Tower and the FBI

The largest construction jobs initiated in the latest month included two mega projects defined as carrying estimated values of a billion dollars or more each. Biggest of all was a $2.8 billion wind farm for power generation to be situated off the coast of Massachusetts. Plus, there was a start-up on a $1 billion Federal Bureau of Investigation (FBI) building in Huntsville, Alabama.

Not exceeding a billion dollars in value but projected to account for 2.5 million square feet of construction, was July's groundbreaking on the 57-story JPMorgan Chase office tower in New York. Also, not making it into July's Top 10 for dollar value, but notable nonetheless, was an Amazon/Seefried Industrial Properties' distribution center in Davenport, Iowa, for 2.9 million square feet.

July of last year featured only one mega project, the $1.4 billion Metro/Foothill Gold Line light rail extension in San Dimas (east Los Angeles), California.

By Major Types of Structure, 3 Distinct Paths

Starts year to date in 2021, according to the three major type-of-structure designations, have traveled quite separate paths. Residential starts have been ahead by more than a quarter, +26.2%; engineering starts have been flat, -0.6%; and nonresidential building starts have been less than sparkling, -11.4%.

On a month-to-month basis in July, though, engineering starts were the sprightliest, +24.4%, followed by residential, +12.3%, with nonresidential building still displaying weakness, -20.1%.

Trailing 12-Month (TTM) Results Less Negative

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 July on a month-to-month basis were +1.7%, compared with +0.6% in June and +0.8% in May. On a year-over-year basis in July, GT TTM starts were -4.7% versus -7.9% in June and -9.8% in May. Those latest three y/y percent changes may still be negative, but the trend is moving in a healthier (less distressed) direction.

PIP Stats Also Skew Towards Residential

'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 June 2021 not-seasonally-adjusted (NSA) PIP numbers for total U.S., the year-to-date mix has shifted dramatically. The residential to nonresidential relationship has become approximately half and half (i.e., 49.0%-to-51.0% respectively). The Census Bureau's June 2021 NSA ytd PIP results are +5.4% for total;

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

	Jan-Jul 2021 ($ billions)	% Change Jan-Jul 21 vs Jan-Jul 20	% Change Jul 21 vs Jul 20	% Change Jul 21 vs Jun 21
Hotel/Motel	3.942	-45.3%	-15.6%	-6.3%
Retail/Shopping	7.558	3.5%	-22.8%	-47.4%
Parking Garage	1.101	0.8%	79.6%	55.4%
Amusement	4.167	8.0%	189.4%	65.3%
Private Office	8.739	-35.9%	27.1%	90.5%
Government Office	7.189	23.1%	157.9%	175.1%
Laboratory	1.060	-18.4%	62.2%	28.4%
Warehouse	13.384	-15.2%	-18.4%	-13.1%
Miscellaneous Commercial *	5.241	13.3%	-67.5%	-87.8%
COMMERCIAL (big subset)	**52.378**	**-13.6%**	**16.9%**	**-5.4%**
INDUSTRIAL (Manufacturing)	**10.995**	**-1.3%**	**57.1%**	**99.8%**
Religious	0.493	-47.2%	-60.1%	-56.1%
Hospital/Clinic	10.180	35.7%	-23.1%	-53.2%
Nursing/Assisted Living	3.286	-20.7%	-32.2%	-65.6%
Library/Museum	1.536	-46.3%	15.1%	16.5%
Fire/Police/Courthouse/Prison	4.431	9.8%	6.1%	-27.1%
Military	5.193	0.2%	20.1%	-47.6%
School/College	37.570	-17.7%	-20.3%	-34.3%
Miscellaneous Medical	3.617	-26.9%	-48.5%	-42.2%
INSTITUTIONAL	**66.306**	**-11.9%**	**-19.0%**	**-39.3%**
Miscellaneous Non-residential	3.533	8.4%	39.8%	22.1%
NONRESIDENTIAL BUILDING	**133.212**	**-11.4%**	**0.6%**	**-20.1%**
Airport	3.004	-10.4%	-18.3%	-27.0%
Road/Highway	42.474	4.5%	37.4%	18.9%
Bridge	11.651	-26.8%	-30.4%	-4.8%
Dam/Marine	3.662	-21.8%	0.3%	-18.0%
Water/Sewage	20.889	10.8%	22.7%	8.2%
Miscellaneous Civil (power, pipelines, etc.)	16.460	7.6%	63.2%	144.1%
HEAVY ENGINEERING (Civil)	**98.139**	**-0.6%**	**25.2%**	**24.4%**
TOTAL NONRESIDENTIAL	**231.352**	**-7.1%**	**11.3%**	**-3.1%**

* 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 – JULY 2021

Construction hiring in July originated with residential general contractors (+8,000 jobs) and nonresidential sub-trades (also +8,000).

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

+24.5%, residential; and -8.1%, nonresidential (i.e., nonresidential buildings plus engineering).

PIP numbers, being more spread out, 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.

Lukewarm Construction Jobs Creation

The total number of jobs in the U.S. construction sector in July rose by a lukewarm +11,000. The year-to-date gain in employment has been +21,000 jobs. The year-over-year percentage increase in construction employment has been +3.1%, which trails the economy-wide 'all jobs' climb of +5.2%. But included in the +5.2% is +18.4% for the 'leisure and hospitality' industry which saw incredible jobs count shrinkage in bars

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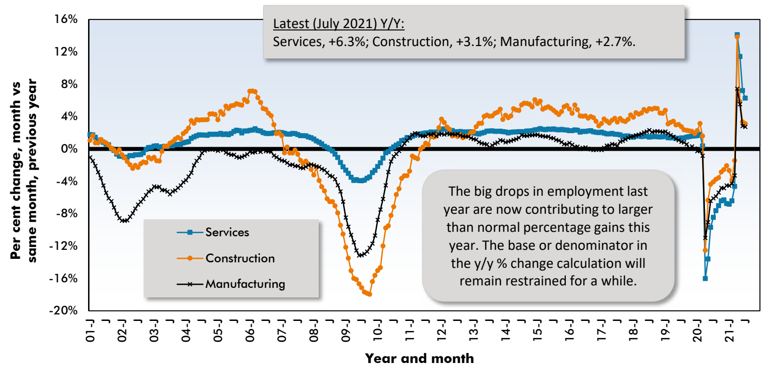
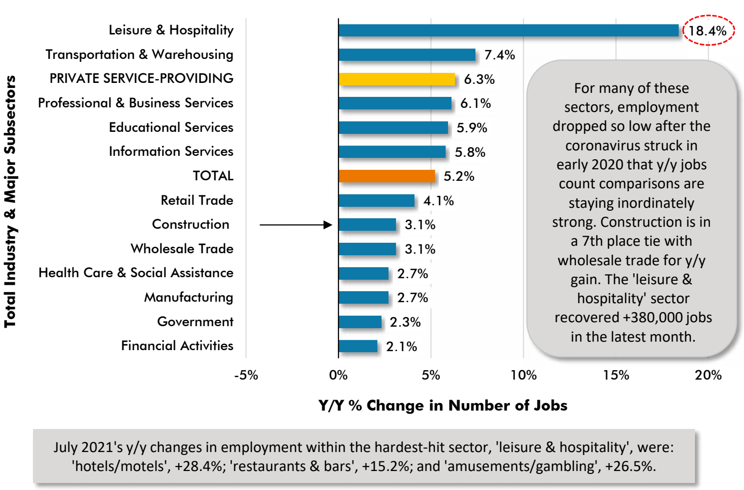
GRAPH 2: U.S. EMPLOYMENT JULY 2021 – % CHANGE Y/Y BASED ON SEASONALLY ADJUSTED (SA) DATA



The latest data points are for July, 2021.

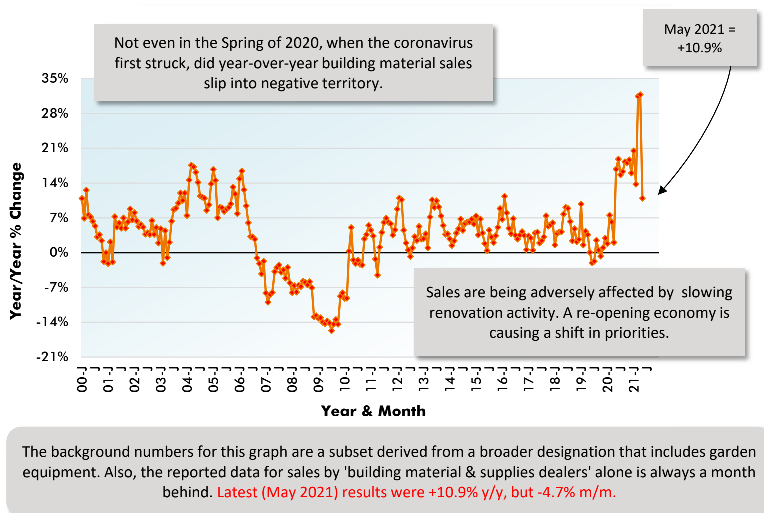
Data source: Payroll Survey, Bureau of Labor Statistics (U.S. Department of Labor)/Chart: ConstructConnect.

GRAPH 3: Y/Y JOBS CHANGE, U.S. TOTAL INDUSTRY & MAJOR SUBSECTORS – JULY 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



The background numbers for this graph are a subset derived from a broader designation that includes garden equipment. Also, the reported data for sales by 'building material & supplies dealers' alone is always a month behind. Latest (May 2021) results were +10.9% y/y, but -4.7% m/m.

Data Source: Census Bureau/Chart: ConstructConnect.

TABLE 2: MONITORING THE U.S. EMPLOYMENT RECOVERY — JULY 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) Jul 2021 vs Feb 2020 (Feb 2020 was last month unaffected by COVID-19)	Change in Number of Jobs (Millions) Jul 2021 vs Jun 2021 (i.e., vs previous month)	% Change Jul 2021 vs Feb 2020 (Feb 2020 was last month unaffected by COVID-19)	% Change Jul 2021 vs Jun 2021 (i.e., vs previous month)	Jobs Recovery Since Apr 2020, Millions	Claw Back Ratio
-22.362	-14.7%	Grand Total	-5.702	0.943	-3.7%	0.6%	16.660	74.5%
-18.787	-17.3%	Private Services-Providing	-4.207	0.659	-3.9%	0.6%	14.580	77.6%
-1.385	-10.8%	Manufacturing	-0.433	0.027	-3.4%	0.2%	0.952	68.7%
-1.113	-14.6%	Construction	-0.227	0.011	-3.0%	0.1%	0.886	79.6%
-2.375	-15.2%	Retail Trade	-0.270	-0.005	-1.7%	0.0%	2.105	88.6%
-0.575	-9.9%	Transportation & Warehouse	-0.040	0.050	-0.7%	0.9%	0.535	93.0%
-0.279	-3.1%	Financial Activities	-0.048	0.022	-0.5%	0.2%	0.231	82.8%
-2.387	-11.1%	Professional & Business	-0.556	0.060	-2.6%	0.3%	1.831	76.7%
-0.281	-9.6%	Information Services	-0.172	0.024	-5.9%	0.9%	0.109	38.8%
-2.843	-11.6%	Education and Health	-0.953	0.087	-3.9%	0.4%	1.890	66.5%
-8.224	-48.6%	Leisure & Hospitality	-1.737	0.380	-10.3%	2.6%	6.487	78.9%
-1.009	-4.4%	Government	-0.782	0.240	-3.4%	1.1%	0.227	22.5%

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

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and restaurants and hotels/motels throughout 2020 due to lockdowns and travel bans to fight COVID-19.

Construction's NSA unemployment rate is currently 6.1%, down from 7.5% in June and markedly better than the 8.9% recorded in July 2020. Manufacturing's 8.6% NSA U rate in July 2020 was close to construction's figure, but it has since dropped to just 4.2%. The national NSA U rate is 5.7%. Offering encouragement for construction is the potentially trillion dollar-plus infrastructure package that has passed the Senate and is presently before the House. Of concern, though, is the possibility of more waves of virus infections, beginning with the Delta variant.

The latest year-over-year jobs count changes for some other corners of the economy with close ties to construction have been architectural and engineering services, +5.4%; real estate activities, +4.9%; oil and gas extraction, +3.3%; building material suppliers, +2.7%; machinery and equipment rental and leasing, +1.3%; and cement and concrete product manufacturing, -1.4%. The +5.4% y/y for employment in design services is especially heartening because an uptick in composing 'assembly instructions' leads or points the way to more activity in the field.

Government Office & Water/Sewage Starts Most Buoyant

July's -3.1% month-to-month (m/m) decrease in total nonresidential starts was mainly due to substantial weakness in institutional work (-39.3%). Commercial (-5.4%) was also down, but not alarmingly, while engineering was ahead by one-quarter (+24.4%) and industrial doubled up (+99.8%). The Top 10 projects list on page 8 includes three manufacturing plants.

The +11.3% gain in July 2021's total nonresidential starts versus July 2020 (y/y) came with support from industrial (+57.1%), engineering (+25.2%) and commercial (+16.9%). Only institutional (-19.0%) among the major type-of-structure categories showed hesitancy.

The -7.1% drop in total nonresidential starts year to date (Jan-Jul 2021/Jan-Jul 2020) has resulted from declines in commercial (-13.6%) and institutional (-11.9%), while industrial (-1.3%) and engineering (-0.6%) have stayed on almost even keels.

The two sub-categories that contribute the largest shares to total nonresidential starts are roads/highways (18.4%) and schools/colleges (16.2%). Added together, their slice is more than one-third (34.6%). In July, the three time-frame metrics for street starts were +18.9% m/m, +37.4% y/y and +4.5% ytd. For educational facilities, July's results were -34.3% m/m, -20.3% y/y and -17.7% ytd. Clearly, school construction has been a casualty of the pandemic.

Medical facility starts as the combination of hospitals/clinics, nursing/assisted living and 'miscellaneous medical' were -53.7% m/m and -33.4% y/y, but a still positive +2.9% ytd in July. At a finer level of detail, hospital/clinic starts were +35.7% ytd, but nursing/assisted living and 'miscellaneous medical' groundbreakings were -20.7% ytd and -26.9% ytd respectively.

Bridge starts so far this year have been disappointing. In July, they were -4.8% m/m, -30.4% y/y and -26.8% ytd. Apparently, they're awaiting help from the infrastructure spending package. Water/sewage starts, though, have held up well, +8.2% m/m, +22.7% y/y and +10.8% ytd.

Within commercial, the big news has centered on some eye-catching year-to-date pullbacks: hotels/motels, -45.3%; and private office buildings, -35.9% (although +90.5% m/m thanks mainly to the JPMorgan Chase tower in NYC). Government office buildings, though, are +23.1% ytd (with the FBI building in Alabama leading to +175.1% m/m and +157.9% y/y).

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

	Jan-Jul 2021 ($ billions)	% Change vs Jan-Jul 2020
Sports Stadiums/Convention Centers	$2.572	-19.5%
Transportation Teminals	$2.669	86.6%
Courthouses	$1.591	54.5%
Police Stations & Fire Halls	$1.666	-9.5%
Prisons	$1.174	0.8%
Pre-School/Elementary	$11.132	-22.3%
Junior & Senior High Schools	$17.261	-12.0%
K-12 (sum of above two categories)	$28.393	-16.4%
Special & Vocational Schools	$1.032	-19.0%
Colleges & Universities	$8.145	-22.0%
Electric Power Infrastructure	$7.229	172.4%

Source: ConstructConnect/Table: ConstructConnect.

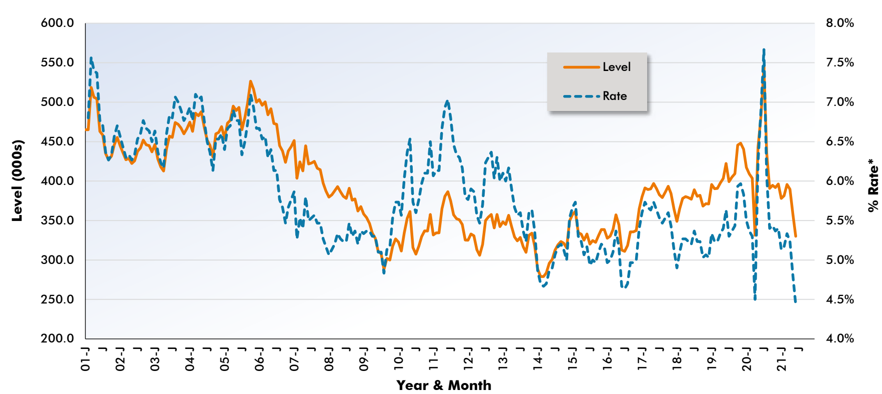
GRAPH 5: U.S. CONSTRUCTION JOB OPENINGS (FROM JOLTS REPORT) (3-MONTH MOVING AVERAGES PLACED IN LATEST MONTH)

A big drop in construction job 'openings' began a year before the arrival of the coronavirus in Spring 2020. But then once the slide halted, the 'openings' curves (for both level and rate) began climbing steeply once again.

*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 June 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)



Construction job 'openings' may be abundant (as they are in many industries), but they are not translating into new 'hires'. Sign-ups of construction workers have recently diminished significantly as a level and even more so as a rate.

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

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

Continued from page 4

JOLTS: Bullish Openings; Bearish 'Hires'

Monthly JOLTS numbers are exposing quite a conundrum in the construction sector's labor market. There's an obvious mismatch between bullish 'openings' and bearish 'hires'. JOLTS is an acronym for the *Job Openings and Labor Turnover Survey* conducted by the Bureau of Labor Statistics.

From Graph 5, construction job 'openings', after dipping rather severely in 2020, have sprung back to where they're now close to their 20-year peaks as both a level and a rate. At the same time, 'hires' in the sector, from Graph 6, have dived to a 20-year low as a rate and close to a 20-year low as a level. This is a reminder that normal cyclical recovery patterns don't necessarily hold true when exiting a pandemic. As just one example, many older workers with specialized skills have read the health crisis as a warning sign to head for the sidelines and into retirement. Replacement recruits are hard to find and will need seasoning.

Starts Trend Lines Shift from Slides to Flattening

The tendency for most of the 12-month moving average starts trend lines on page 9 to sink with varying degrees of rapidity has finally come to a halt. There are now only two subcategories still clearly descending, 'schools/colleges' (which is dragging down institutional as well) and bridges.

Roads/highways and water/sewage are continuing gradual upwards marches. All the other curves feature a leveling off, which is good news considering how difficult the last 16 months have been. Among major type-of-structure categories, nonresidential building and engineering are currently displaying a flattening in their curves, aided by more stable recent performances from retail, private office buildings, hospitals/clinics and miscellaneous civil.

Wage Gains are Boosting Inflationary Expectations

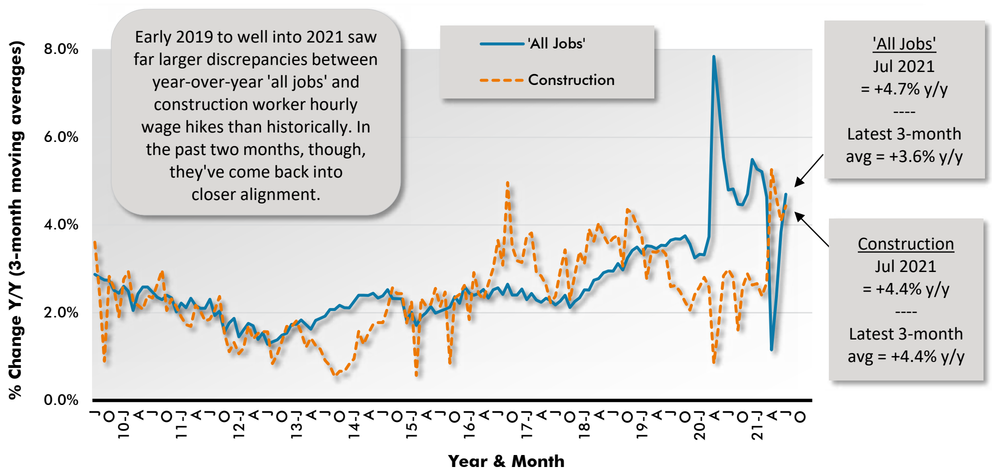
Tables B-3 and B-8 of the monthly *Employment Situation* report record average hourly and average weekly wages for industry sectors. B-3 is for all employees (i.e., including bosses) on non-farm payrolls. B-8 is for 'production and non-supervisory personnel' only (i.e., it excludes bosses). For 'all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

During most of 2020, the year-over-year climbs in pay checks for 'all jobs' vastly exceeded what construction workers were seeing in compensation gains. The disappearance of a great many 'gig' and other part-time 'casual' jobs, along with special health-jeopardized 'hazard pay' for workers placed in harm's way by the coronavirus, caused average pay hikes to soar.

The discrepancies, however, have now largely been eliminated. From Table B3 (including bosses), 'all jobs' earnings y/y in July were +4.0% hourly and +4.6% weekly. The comparable figures for construction workers, as a subset of 'all jobs', were +3.7% hourly and again, +3.7% weekly. From Table B8 (excluding bosses), the 'all jobs' y/y pay bumps were +4.7% hourly and +5.3%

Continued on page 6

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

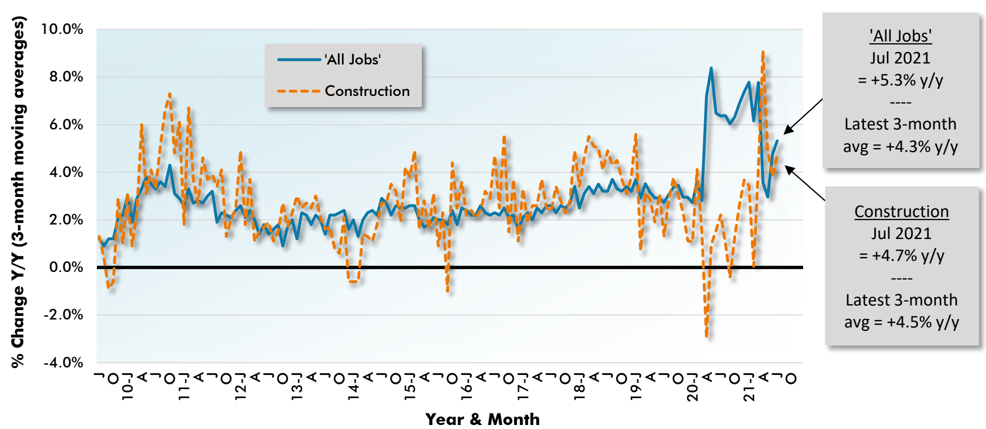


Analysts will be keeping a sharp eye on earnings. They're a reflection of overall economic activity. Perhaps more important, though, they can provide an early warning of mounting behind-the-scenes inflationary pressure.

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

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

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



U.S. construction's total jobs count in July increased vs June by +11,000. The sector's latest not seasonally adjusted (NSA) unemployment rate was 6.1% compared with the prior month's 7.5%. A year ago, in July 2020, it had been 8.9%.

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

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

Continued from page 5

weekly. Construction workers weren't far behind, at +4.4% hourly and +4.7% weekly.

Notice, however, that upward trending wages are elevating inflationary expectations. The composite hourly and weekly gain for 'all jobs', both including and excluding bosses, from Tables B3 and B8, has shifted higher to +4.7% from a long-term result ranging between +2.0% and +3.0%. The average for construction's four numbers in the paragraph above is +4.1%.

Lumber Prices Down, but Steel & Aluminum Still Climbing

July 2021's y/y results for three structures-related BLS Producer Price Index (PPI) series were as follows: 'construction materials special index', +33.1% (still jaw-droppingly high, but off a bit from June's +34.1%); 'inputs to new construction index, excluding capital investment, labor and imports', +25.4% (again a stunningly high number, but also a small retreat from the previous month's figure, +26.1%) and 'final demand construction', designed to capture bid prices, +4.5% (ahead slightly from the previous month's +3.5%). Two months ago (May 2021), the PPI for softwood lumber was +154.3% y/y; now it's +45.0% y/y. Forestry products have stepped back from spiking. Steel and aluminum product prices, however, are still on the ascendant.

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.

July 2021's 'Grand Total' Starts +6.1% Ytd

*From Table 10 on page 11 of this report, ConstructConnect's total residential starts in July were +12.3% m/m, +29.2% y/y and +26.2% ytd. Multi-family starts went through another rough patch, -22.2% m/m and -24.7% y/y, but +1.5% ytd. Single-family starts, however, were robust, +21.8% m/m, +47.8% y/y and +36.3% ytd. Including home building with all nonresidential categories, **Grand Total** starts in July 2021 were +3.9% m/m, +19.4% y/y and +6.1% 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-Jul 2021	% Change vs Jan-Jul 2020
1	Texas	$27,644,613,497	-7.9%
2	California	$20,095,139,210	-16.0%
3	Florida	$13,178,584,588	-5.4%
4	New York	$11,106,216,226	-12.1%
5	Ohio	$9,157,021,326	13.5%
6	Pennsylvania	$8,509,161,683	30.5%
7	North Carolina	$7,974,170,315	22.2%
8	Illinois	$7,855,767,950	-24.1%
9	Massachusetts	$7,818,053,048	41.2%
10	Georgia	$7,607,241,483	4.7%
11	Minnesota	$6,972,638,758	23.6%
12	Tennessee	$6,171,567,776	37.0%
13	Michigan	$5,955,655,077	22.3%
14	Virginia	$5,582,833,198	-24.3%
15	Missouri	$5,315,603,117	-24.7%
16	Washington	$5,006,828,023	-48.6%
17	Wisconsin	$4,779,198,759	-22.1%
18	Colorado	$4,487,272,923	-6.2%
19	Indiana	$4,435,726,610	-15.0%
20	Arizona	$4,369,372,007	-17.3%

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-Jul 2021	% Change vs Jan-Jul 2020
1	Texas	$16,104,484,562	-21.0%
2	California	$11,570,015,487	-2.5%
3	Florida	$7,915,947,073	-12.2%
4	New York	$6,760,892,097	-23.4%
5	Pennsylvania	$5,878,888,222	74.7%
6	North Carolina	$5,865,497,509	14.5%
7	Ohio	$5,500,639,242	20.0%
8	Georgia	$5,035,922,017	4.4%
9	Tennessee	$4,972,911,187	57.3%
10	Virginia	$3,970,764,517	-11.9%
11	Illinois	$3,853,592,657	-32.1%
12	Arizona	$3,576,755,301	-18.4%
13	Missouri	$3,413,274,797	-36.7%
14	Massachusetts	$3,253,195,648	-16.9%
15	Alabama	$3,118,460,477	44.3%
16	Washington	$3,076,850,246	-29.6%
17	Colorado	$2,831,184,813	-11.8%
18	Maryland	$2,609,644,233	-22.2%
19	New Jersey	$2,539,593,117	6.2%
20	Michigan	$2,508,510,621	-7.5%

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

		Jan-Jul 2021	% Change vs Jan-Jul 2020
1	Texas	$11,540,128,935	19.7%
2	California	$8,525,123,723	-29.4%
3	Florida	$5,262,637,515	7.2%
4	Minnesota	$5,213,913,902	67.6%
5	Massachusetts	$4,564,857,400	181.0%
6	New York	$4,345,324,129	13.8%
7	Illinois	$4,002,175,293	-14.3%
8	Ohio	$3,656,382,084	4.9%
9	Michigan	$3,447,144,456	59.8%
10	Pennsylvania	$2,630,273,461	-16.6%
11	Wisconsin	$2,577,323,282	9.2%
12	Georgia	$2,571,319,466	5.3%
13	Indiana	$2,133,026,490	-10.5%
14	North Carolina	$2,108,672,806	49.9%
15	Washington	$1,929,977,777	-64.1%
16	Missouri	$1,902,328,320	14.3%
17	Maine	$1,769,124,708	133.1%
18	New Jersey	$1,768,039,077	-20.0%
19	Iowa	$1,720,937,546	-7.1%
20	Colorado	$1,656,088,110	5.3%

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 — JULY 2021
ARRANGED TO MATCH THE ALPHABETICAL CATEGORY DROP-DOWN MENUS IN INSIGHT

			Jan-Jul 2021 ($ billions)	% Change Jan-Jul 21 vs Jan-Jul 20	% Change Jul 21 vs Jul 20	% Change Jul 21 vs Jun 21
Summary						
CIVIL			98.139	-0.6%	25.2%	24.4%
NONRESIDENTIAL BUILDING			133.212	-11.4%	0.6%	-20.1%
RESIDENTIAL			207.005	26.2%	29.2%	12.3%
GRAND TOTAL			438.356	6.1%	19.4%	3.9%
Verticals						
		Airport	3.004	-10.4%	-18.3%	-27.0%
		All Other Civil	9.231	-27.0%	-40.5%	13.4%
		Bridges	11.651	-26.8%	-30.4%	-4.8%
		Dams / Canals / Marine Work	3.662	-21.8%	0.3%	-18.0%
		Power Infrastructure	7.229	172.4%	575.5%	390.9%
		Roads	42.474	4.5%	37.4%	18.9%
		Water and Sewage Treatment	20.889	10.8%	22.7%	8.2%
CIVIL			98.139	-0.6%	25.2%	24.4%
		Offices (private)	8.739	-35.9%	27.1%	90.5%
		Parking Garages	1.101	0.8%	79.6%	55.4%
		Transportation Terminals	2.669	86.6%	53.2%	-89.8%
	Commercial (small subset)		12.508	-22.6%	32.7%	-29.2%
		Amusement	4.167	8.0%	189.4%	65.3%
		Libraries / Museums	1.536	-46.3%	15.1%	16.5%
		Religious	0.493	-47.2%	-60.1%	-56.1%
		Sports Arenas / Convention Centers	2.572	-19.5%	-86.0%	-82.1%
	Community		8.769	-19.2%	-0.9%	-6.5%
		College / University	8.145	-22.0%	-8.2%	26.0%
		Elementary / Pre School	11.132	-22.3%	-22.9%	-52.4%
		Jr / Sr High School	17.261	-12.0%	-28.4%	-41.0%
		Special / Vocational	1.032	-19.0%	39.3%	-30.6%
	Educational		37.570	-17.7%	-20.3%	-34.3%
		Courthouses	1.591	54.5%	173.5%	-17.7%
		Fire and Police Stations	1.666	-9.5%	-37.1%	-17.5%
		Government Offices	7.189	23.1%	157.9%	175.1%
		Prisons	1.174	0.8%	-29.2%	-49.4%
	Government		11.620	17.7%	95.0%	69.2%
		Industrial Labs / Labs / School Labs	1.060	-18.4%	62.2%	28.4%
		Manufacturing	10.995	-1.3%	57.1%	99.8%
		Warehouses	13.384	-15.2%	-18.4%	-13.1%
	Industrial		25.438	-9.8%	12.9%	25.8%
		Hospitals / Clinics	10.180	35.7%	-23.1%	-53.2%
		Medical Misc.	3.617	-26.9%	-48.5%	-42.2%
		Nursing Homes	3.286	-20.7%	-32.2%	-65.6%
	Medical		17.084	2.9%	-33.4%	-53.7%
	Military		5.193	0.2%	20.1%	-47.6%
		Hotels	3.942	-45.3%	-15.6%	-6.3%
		Retail Misc.	3.533	8.4%	39.8%	22.1%
		Shopping	7.558	3.5%	-22.8%	-47.4%
	Retail		15.032	-15.4%	-9.3%	-25.1%
NONRESIDENTIAL BUILDING			133.212	-11.4%	0.6%	-20.1%
		Multi-Family	48.426	1.5%	-24.7%	-22.2%
		Single-Family	158.579	36.3%	47.8%	21.8%
RESIDENTIAL			207.005	26.2%	29.2%	12.3%
NONRESIDENTIAL			231.352	-7.1%	11.3%	-3.1%
GRAND TOTAL			438.356	6.1%	19.4%	3.9%

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 JULY 2021

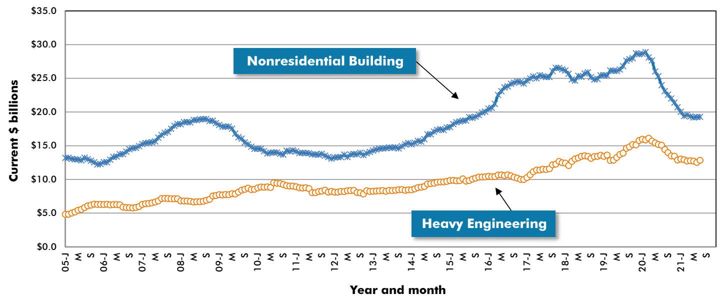
LOCATION (EAST TO WEST)	TYPE OF CONSTRUCTION	DESCRIPTION	SQUARE FEET 000S*	DOLLARS 000,000S
Massachusetts				
New Bedford	Civil/Engineering	Vineyard Wind 1 (1 structure) Offshore Bristol County Avangrid Renewables	*	$2,800
Devens	Industrial	Jackson Road Bio-Manufacturing Campus (2 structures) Jackson Rd King Street Properties LLC	700	$500
New York				
New York	Commercial	JPMorgan Chase Office Tower (2 structures; 57 stories) 270 Park Ave JPMorgan Chase	2,500	$533
North Carolina				
Oakboro	Industrial	Charlotte Pipe and Foundry Relocation (1 structure) 10145 Lighthouse Rd Charlotte Pipe and Foundry	505	$325
Florida				
Miami	Residential	Block 55 / Sawyer's Walk (4 structures; 12 stories; 578 units) 249 NW 6 St Swerdlow Group	860	$320
Alabama				
Huntsville	Commercial	Federal Bureau Of Investigation Facility / Redstone Arsenal (1 structure; 3 stories) 3443 Honest John Rd US Department of Justice - Federal Bureau of Investigation	250	$1,000
Texas				
Austin	Civil/Engineering	Oak Hill Highway Expansion - Texas Department of Transportation (TxDOT) (2 structures) US-290 Central Texas Regional Mobility Authority	*	$674
Austin	Institutional	Texas Childrens Hospital North Campus (3 structures; 5 stories; 52 beds) 9835 N Lake Creek Pkwy Texas Children's Hospital	535	$485
Colorado				
Pueblo	Industrial	EVRAZ Rocky Mountain Steel Expansion (1 structure) South Fwy EVRAZ Rocky Mountain Steel	500	$500
Arizona				
Phoenix	Commercial	44 Camelback Mixed Use Development (6 structures) 4350 E Camelback Rd RED Development, LLC	676	$300
TOTALS:			**6,526**	**$7,437**

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

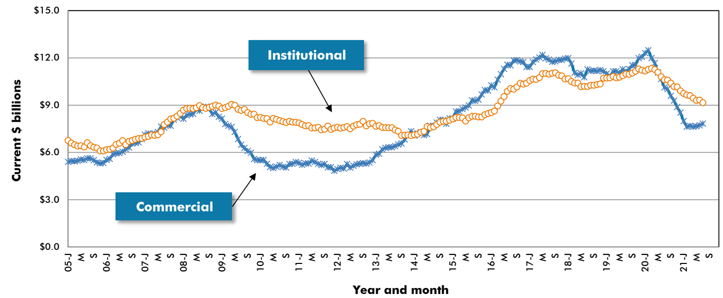
Source: ConstructConnect/Table: ConstructConnect.

Trend graphs for 12 key categories

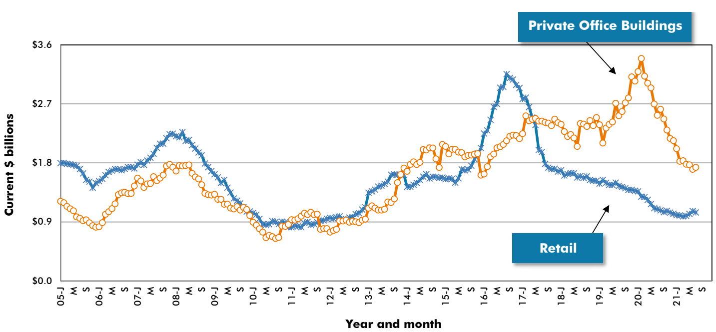
GRAPH 9: U.S. NONRESIDENTIAL CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



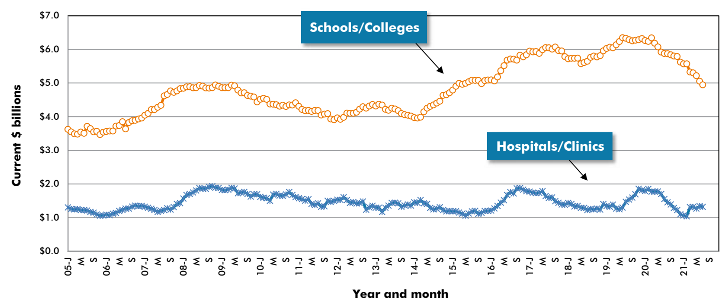
GRAPH 10: U.S. COMMERCIAL AND INSTITUTIONAL CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



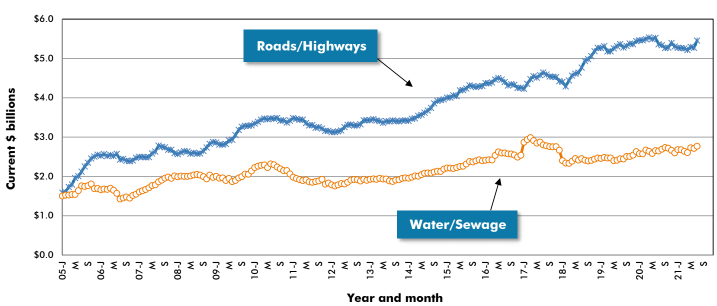
GRAPH 11: U.S. RETAIL AND PRIVATE OFFICE BUILDING CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



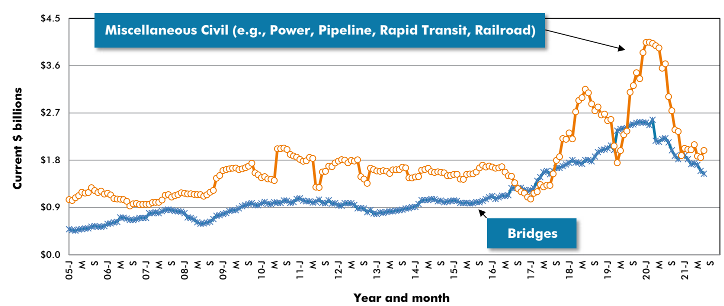
GRAPH 12: U.S. HOSPITAL/CLINIC AND SCHOOL/COLLEGE CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



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 July, 2021.

Source: ConstructConnect/Charts: ConstructConnect.

Regional starts table

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

	Jan-Jul 2020	Jan-Jul 2021	% Change
Connecticut	$2,465,575,908	$1,612,432,196	-34.6%
Maine	$1,067,946,167	$2,333,193,534	118.5%
Massachusetts	$5,538,152,649	$7,818,053,048	41.2%
New Hampshire	$695,686,726	$987,064,460	41.9%
Rhode Island	$424,607,143	$659,142,532	55.2%
Vermont	$438,674,484	$286,467,534	-34.7%
Total New England	$10,630,643,077	$13,696,353,304	28.8%
New Jersey	$4,603,576,945	$4,307,632,194	-6.4%
New York	$12,637,859,469	$11,106,216,226	-12.1%
Pennsylvania	$6,520,295,422	$8,509,161,683	30.5%
Total Middle Atlantic	$23,761,731,836	$23,923,010,103	0.7%
TOTAL NORTHEAST	$34,392,374,913	$37,619,363,407	9.4%
Illinois	$10,346,270,894	$7,855,767,950	-24.1%
Indiana	$5,215,836,014	$4,435,726,610	-15.0%
Michigan	$4,868,657,713	$5,955,655,077	22.3%
Ohio	$8,069,042,535	$9,157,021,326	13.5%
Wisconsin	$6,136,173,451	$4,779,198,759	-22.1%
Total East North Central	$34,635,980,607	$32,183,369,722	-7.1%
Iowa	$3,575,985,971	$3,546,355,836	-0.8%
Kansas	$3,028,299,879	$1,934,888,439	-36.1%
Minnesota	$5,642,604,525	$6,972,638,758	23.6%
Missouri	$7,056,305,192	$5,315,603,117	-24.7%
Nebraska	$3,032,767,885	$2,318,993,454	-23.5%
North Dakota	$1,693,791,769	$1,359,848,647	-19.7%
South Dakota	$836,220,139	$1,054,863,814	26.1%
Total West North Central	$24,865,975,360	$22,503,192,065	-9.5%
TOTAL MIDWEST	$59,501,955,967	$54,686,561,787	-8.1%
Delaware	$1,158,238,414	$644,203,937	-44.4%
District of Columbia	$525,415,750	$578,563,205	10.1%
Florida	$13,926,527,343	$13,178,584,588	-5.4%
Georgia	$7,267,381,179	$7,607,241,483	4.7%
Maryland	$4,405,912,426	$3,266,278,709	-25.9%
North Carolina	$6,527,442,782	$7,974,170,315	22.2%
South Carolina	$3,483,422,226	$3,249,041,659	-6.7%
Virginia	$7,377,228,732	$5,582,833,198	-24.3%
West Virginia	$1,737,101,964	$704,173,928	-59.5%
Total South Atlantic	$46,408,670,816	$42,785,091,022	-7.8%
Alabama	$3,193,389,122	$4,333,033,395	35.7%
Kentucky	$2,033,706,446	$2,023,480,625	-0.5%
Mississippi	$1,966,942,611	$1,141,050,344	-42.0%
Tennessee	$4,503,306,740	$6,171,567,776	37.0%
Total East South Central	$11,697,344,919	$13,669,132,140	16.9%
Arkansas	$2,406,814,611	$1,358,895,701	-43.5%
Louisiana	$2,670,431,467	$3,167,457,326	18.6%
Oklahoma	$2,448,969,243	$2,575,235,840	5.2%
Texas	$30,018,221,155	$27,644,613,497	-7.9%
Total West South Central	$37,544,436,476	$34,746,202,364	-7.5%
TOTAL SOUTH	$95,650,452,211	$91,200,425,526	-4.7%
Arizona	$5,286,511,838	$4,369,372,007	-17.3%
Colorado	$4,783,245,702	$4,487,272,923	-6.2%
Idaho	$1,009,959,446	$730,604,956	-27.7%
Montana	$946,864,848	$683,243,597	-27.8%
Nevada	$2,635,298,464	$2,450,387,745	-7.0%
New Mexico	$1,210,806,601	$1,153,753,008	-4.7%
Utah	$4,772,983,377	$3,285,092,444	-31.2%
Wyoming	$636,214,294	$716,305,394	12.6%
Total Mountain	$21,281,884,570	$17,876,032,074	-16.0%
Alaska	$771,263,681	$743,882,924	-3.6%
California	$23,934,189,969	$20,095,139,210	-16.0%
Hawaii	$1,074,360,605	$1,051,660,600	-2.1%
Oregon	$2,694,331,511	$3,071,619,666	14.0%
Washington	$9,740,592,851	$5,006,828,023	-48.6%
Total Pacific	$38,214,738,617	$29,969,130,423	-21.6%
TOTAL WEST	$59,496,623,187	$47,845,162,497	-19.6%
TOTAL U.S.	$249,041,406,278	$231,351,513,217	-7.1%

*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 — JULY 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.	
	May 21	Jun 21	Jul 21	May 21	Jun 21	Jul 21	May 21	Jun 21	Jul 21	Jan-Jul 2020	Jan-Jul 2021
Single Family	22.603	25.122	30.591	22.807	23.265	26.105	20.448	20.973	21.797	116.307	158.579
month-over-month % change	2.4%	11.1%	21.8%	9.1%	2.0%	12.2%	3.3%	2.6%	3.9%		
year-over-year % change	53.2%	33.4%	47.8%	51.2%	46.8%	44.3%	25.0%	27.7%	31.2%	0.5%	36.3%
Apartment	7.030	6.885	5.359	7.677	7.696	6.425	7.007	6.954	6.807	47.687	48.426
month-over-month % change	-23.4%	-2.1%	-22.2%	-3.3%	0.2%	-16.5%	0.6%	-0.8%	-2.1%		
year-over-year % change	7.7%	-8.5%	-24.7%	20.3%	17.5%	-8.9%	-12.5%	-12.7%	-15.1%	-5.7%	1.5%
TOTAL RESIDENTIAL	29.634	32.006	35.951	30.484	30.962	32.530	27.455	27.927	28.604	163.994	207.005
month-over-month % change	-5.2%	8.0%	12.3%	5.7%	1.6%	5.1%	2.6%	1.7%	2.4%		
year-over-year % change	39.3%	21.5%	29.2%	42.0%	38.3%	29.3%	12.7%	14.5%	16.1%	-1.3%	26.2%
Hotel/Motel	0.537	0.698	0.654	0.599	0.629	0.629	0.577	0.592	0.582	7.206	3.942
month-over-month % change	-17.7%	30.0%	-6.3%	13.5%	5.1%	0.1%	2.3%	2.6%	-1.7%		
year-over-year % change	40.9%	34.2%	-15.6%	-24.4%	0.0%	12.7%	-64.8%	-61.2%	-60.3%	-45.3%	-45.3%
Retail/Shopping	1.258	1.525	0.802	1.159	1.299	1.195	1.023	1.064	1.044	7.304	7.558
month-over-month % change	13.0%	21.2%	-47.4%	15.2%	12.1%	-8.0%	3.1%	4.0%	-1.9%		
year-over-year % change	42.3%	47.9%	-22.8%	9.2%	33.2%	21.3%	-12.6%	-3.9%	-4.6%	-31.6%	3.5%
Parking Garages	0.119	0.115	0.178	0.113	0.096	0.138	0.140	0.140	0.146	1.092	1.101
month-over-month % change	119.0%	-3.8%	55.4%	-26.4%	-14.7%	42.9%	-5.0%	-0.4%	4.7%		
year-over-year % change	-42.4%	-5.9%	79.6%	-19.8%	-28.2%	-3.7%	-34.2%	-28.5%	-15.9%	-49.7%	0.8%
Amusement	0.518	0.662	1.094	0.515	0.529	0.758	0.486	0.496	0.556	3.858	4.167
month-over-month % change	27.7%	27.9%	65.3%	5.5%	2.7%	43.4%	2.2%	2.0%	12.0%		
year-over-year % change	32.6%	22.0%	189.4%	-7.4%	-0.8%	73.4%	-25.6%	-22.2%	-2.0%	-17.0%	8.0%
Office	0.987	0.880	1.677	1.218	1.051	1.181	1.770	1.701	1.731	13.640	8.739
month-over-month % change	-23.3%	-10.8%	90.5%	-3.9%	-13.7%	12.4%	-0.5%	-3.9%	1.8%		
year-over-year % change	-10.2%	-48.5%	27.1%	-15.2%	-33.5%	-14.1%	-39.9%	-37.0%	-31.4%	-31.5%	-35.9%
Governmental Offices	0.983	0.797	2.191	0.931	0.904	1.324	0.898	0.889	1.001	5.838	7.189
month-over-month % change	5.5%	-19.0%	175.1%	6.4%	-2.9%	46.4%	2.6%	-1.0%	12.6%		
year-over-year % change	39.2%	-11.8%	157.9%	10.8%	8.5%	61.5%	-9.7%	-9.3%	10.3%	-12.8%	23.1%
Laboratories	0.108	0.182	0.233	0.142	0.122	0.174	0.169	0.165	0.172	1.298	1.060
month-over-month % change	39.8%	68.3%	28.4%	-8.0%	-13.8%	42.5%	1.7%	-2.1%	4.5%		
year-over-year % change	44.0%	-19.2%	62.2%	27.6%	-1.7%	17.9%	-17.3%	-22.9%	-20.7%	17.5%	-18.4%
Warehouse	2.001	1.708	1.485	2.480	2.254	1.731	2.089	1.999	1.971	15.777	13.384
month-over-month % change	-34.5%	-14.6%	-13.1%	9.1%	-9.1%	-23.2%	-1.2%	-4.3%	-1.4%		
year-over-year % change	-13.5%	-38.7%	-18.4%	16.7%	-12.3%	-24.9%	0.5%	-5.9%	-8.3%	25.6%	-15.2%
Misc Commercial	0.397	2.546	0.310	0.618	1.178	1.084	0.511	0.678	0.624	4.625	5.241
month-over-month % change	-32.8%	541.7%	-87.8%	8.2%	90.6%	-7.9%	-1.6%	32.7%	-7.9%		
year-over-year % change	-20.4%	369.1%	-67.5%	7.3%	117.7%	63.2%	-56.5%	-42.4%	-39.0%	-64.2%	13.3%
TOTAL COMMERCIAL	6.908	9.113	8.624	7.774	8.062	8.215	7.663	7.724	7.828	60.639	52.378
month-over-month % change	-15.4%	31.9%	-5.4%	6.3%	3.7%	1.9%	0.4%	0.8%	1.3%		
year-over-year % change	5.4%	8.7%	16.9%	1.8%	1.8%	10.4%	-30.8%	-27.6%	-22.7%	-27.7%	-13.6%
TOTAL INDUSTRIAL (Manufacturing)	1.932	0.891	1.780	2.015	1.287	1.534	1.722	1.730	1.783	11.141	10.995
month-over-month % change	86.3%	-53.9%	99.8%	29.4%	-36.1%	19.2%	-3.2%	0.4%	3.1%		
year-over-year % change	-26.0%	10.9%	57.1%	17.4%	-23.9%	1.2%	-47.0%	-46.6%	-32.9%	-68.2%	-1.3%
Religious	0.083	0.082	0.036	0.091	0.082	0.067	0.108	0.104	0.100	0.935	0.493
month-over-month % change	3.6%	-2.0%	-56.1%	10.2%	-10.4%	-18.1%	-3.0%	-3.4%	-4.3%		
year-over-year % change	-32.1%	-34.6%	-60.1%	-41.5%	-23.1%	-40.5%	-28.3%	-27.3%	-28.3%	-19.2%	-47.2%
Hosptials/Clinics	0.553	1.877	0.878	1.809	1.137	1.102	1.274	1.344	1.322	7.504	10.180
month-over-month % change	-43.7%	239.6%	-53.2%	-10.5%	-37.1%	-3.1%	-3.8%	5.5%	-1.6%		
year-over-year % change	-52.0%	80.4%	-23.1%	106.4%	12.4%	-0.7%	-28.4%	-21.1%	-14.8%	-29.7%	35.7%
Nursing/Assisted Living	0.487	0.778	0.267	0.528	0.583	0.511	0.544	0.557	0.547	4.142	3.286
month-over-month % change	1.0%	59.6%	-65.6%	26.6%	10.4%	-12.3%	0.2%	2.4%	-1.9%		
year-over-year % change	3.2%	25.5%	-32.2%	-10.0%	-0.5%	3.1%	-18.0%	-16.0%	-14.6%	-31.6%	-20.7%
Libraries/Museums	0.349	0.227	0.264	0.231	0.226	0.280	0.203	0.195	0.198	2.860	1.536
month-over-month % change	241.7%	-35.0%	16.5%	37.5%	-2.4%	23.9%	0.4%	-4.0%	1.5%		
year-over-year % change	2.7%	-30.3%	15.1%	-19.0%	-27.8%	-6.1%	-49.7%	-51.5%	-48.1%	21.5%	-46.3%
Fire/Police/Courthouse/Prison	0.482	0.875	0.638	0.512	0.654	0.665	0.673	0.704	0.707	4.036	4.431
month-over-month % change	-20.0%	81.4%	-27.1%	1.1%	27.6%	1.8%	1.0%	4.5%	0.4%		
year-over-year % change	19.1%	71.2%	6.1%	-0.7%	40.1%	31.5%	8.9%	15.3%	13.0%	16.2%	9.8%
Military	0.747	1.358	0.712	0.643	0.786	0.939	0.700	0.758	0.768	5.180	5.193
month-over-month % change	197.0%	81.7%	-47.6%	25.7%	22.1%	19.5%	3.1%	8.4%	1.3%		
year-over-year % change	51.2%	107.1%	20.1%	-35.4%	-24.1%	61.7%	10.6%	15.3%	13.4%	146.5%	0.2%
Schools/Colleges	6.303	7.641	5.020	5.571	6.632	6.321	5.219	5.055	4.948	45.667	37.570
month-over-month % change	5.9%	21.2%	-34.3%	15.5%	19.0%	-4.7%	-1.6%	-3.2%	-2.1%		
year-over-year % change	-13.7%	-20.5%	-20.3%	-20.2%	-14.1%	-18.3%	-14.1%	-14.6%	-15.8%	-10.5%	-17.7%
Misc Medical	0.449	0.723	0.418	0.512	0.610	0.530	0.578	0.599	0.567	4.951	3.617
month-over-month % change	-31.7%	61.1%	-42.2%	-5.9%	19.0%	-13.1%	-5.4%	3.7%	-5.5%		
year-over-year % change	-46.9%	54.3%	-48.5%	-41.2%	-3.3%	-25.2%	-23.6%	-15.2%	-21.6%	-11.9%	-26.9%
TOTAL INSTITUTIONAL	9.454	13.561	8.232	9.898	10.708	10.416	9.300	9.316	9.156	75.275	66.306
month-over-month % change	3.8%	43.4%	-39.3%	9.1%	8.2%	-2.7%	-1.5%	0.2%	-1.7%		
year-over-year % change	-15.1%	1.5%	-19.0%	-12.2%	-9.8%	-9.8%	-16.1%	-13.8%	-13.7%	-8.7%	-11.9%
Misc Non Residential	0.642	0.442	0.539	0.531	0.524	0.541	0.496	0.488	0.501	3.261	3.533
month-over-month % change	31.8%	-31.2%	22.1%	9.6%	-1.4%	3.3%	3.9%	-1.6%	2.6%		
year-over-year % change	53.8%	-18.1%	39.8%	18.4%	14.7%	20.9%	-16.8%	-17.3%	-12.4%	-19.8%	8.4%
TOTAL NON-RES BUILDING	18.936	24.006	19.176	20.218	20.581	20.706	19.181	19.257	19.267	150.316	133.212
month-over-month % change	0.7%	26.8%	-20.1%	9.7%	1.8%	0.6%	-0.8%	0.4%	0.1%		
year-over-year % change	-8.6%	4.0%	0.6%	-4.0%	-6.2%	-1.2%	-26.2%	-23.9%	-19.6%	-26.8%	-11.4%
Airports	0.751	0.765	0.559	0.452	0.639	0.692	0.494	0.484	0.473	3.355	3.004
month-over-month % change	86.6%	1.9%	-27.0%	69.3%	41.6%	8.1%	3.6%	-2.1%	-2.2%		
year-over-year % change	38.1%	-14.1%	-18.3%	-5.1%	10.3%	-2.1%	-7.9%	-13.9%	-11.0%	-23.2%	-10.4%
Roads/Highways	7.758	6.837	8.129	6.791	7.249	7.575	5.295	5.273	5.457	40.639	42.474
month-over-month % change	8.4%	-11.9%	18.9%	25.9%	6.8%	4.5%	1.5%	-0.4%	3.5%		
year-over-year % change	14.1%	-3.7%	37.4%	1.7%	0.9%	14.6%	-3.6%	-4.6%	1.8%	-2.3%	4.5%
Bridges	1.673	1.567	1.491	1.803	1.747	1.577	1.711	1.597	1.542	15.906	11.651
month-over-month % change	-16.4%	-6.3%	-4.8%	11.9%	-3.1%	-9.7%	-1.6%	-6.7%	-3.4%		
year-over-year % change	-16.5%	-46.7%	-30.4%	-19.2%	-22.3%	-33.2%	-20.4%	-27.5%	-30.4%	-18.5%	-26.8%
Dams/Marine	0.487	0.660	0.541	0.532	0.571	0.562	0.606	0.605	0.605	4.683	3.662
month-over-month % change	-14.2%	35.5%	-18.0%	5.0%	7.5%	-1.6%	-4.9%	-0.2%	0.0%		
year-over-year % change	-43.8%	-2.2%	0.3%	-27.9%	-24.2%	-18.9%	-15.5%	-11.2%	-11.0%	-7.6%	-21.8%
Water/Sewage	3.697	3.279	3.549	3.003	3.187	3.508	2.731	2.717	2.772	18.853	20.889
month-over-month % change	43.0%	-11.3%	8.2%	23.0%	6.1%	10.1%	4.7%	-0.5%	2.0%		
year-over-year % change	65.7%	-4.9%	22.7%	7.4%	10.6%	22.8%	5.6%	2.2%	4.7%	0.7%	10.8%
Misc Civil (Power, etc.)	1.157	1.705	4.163	1.723	1.763	2.342	1.876	1.850	1.984	15.291	16.460
month-over-month % change	-52.3%	47.4%	144.1%	9.9%	2.3%	32.8%	-10.5%	-1.4%	7.3%		
year-over-year % change	-69.5%	-15.6%	63.2%	-22.6%	-25.1%	-16.0%	-52.3%	-47.9%	-45.4%	-14.4%	7.6%
TOTAL ENGINEERING (Civil)	15.521	14.813	18.431	14.304	15.157	16.255	12.713	12.525	12.833	98.726	98.139
month-over-month % change	2.5%	-4.6%	24.4%	21.3%	6.0%	7.2%	-0.5%	-1.5%	2.5%		
year-over-year % change	-4.4%	-13.2%	25.2%	-5.6%	-5.3%	1.5%	-17.5%	-17.5%	-14.8%	-7.8%	-0.6%
GRAND TOTAL	64.091	70.825	73.557	65.006	66.699	69.491	59.350	59.709	60.705	413.035	438.356
month-over-month % change	-1.7%	10.5%	3.9%	10.0%	2.6%	4.2%	0.8%	0.6%	1.7%		
year-over-year % change	10.1%	6.5%	19.4%	12.7%	10.5%	11.9%	-9.8%	-7.9%	-4.7%	-13.7%	6.1%
NON-RES BLDG + ENGINEERING	***34.458***	***38.819***	***37.607***	***34.522***	***35.737***	***36.961***	***31.894***	***31.782***	***32.101***	***249.041***	***231.352***
month-over-month % change	***1.5%***	***12.7%***	***-3.1%***	***14.2%***	***3.5%***	***3.4%***	***-0.6%***	***-0.4%***	***1.0%***		
year-over-year % change	***-6.8%***	***-3.4%***	***11.3%***	***-4.7%***	***-5.8%***	***0.0%***	***-23.0%***	***-21.5%***	***-17.8%***	***-20.3%***	***-7.1%***

Source: ConstructConnect/Table: ConstructConnect.