constructconnect

DECEMBER 2021 (based on November 2021 Starts Stats)

Construction Industry Snapshot

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November's Nonresidential Construction Starts +2% M/M, -8% Y/Y & -2% YTD

ConstructConnect announced today that November 2021's volume of construction starts, excluding residential work, was $30.4 billion, an increase of +1.7% vs October 2021's level of $29.9 billion (although the latest month was light on mega projects.)

Compared with November 2020, they were -8.0%. On a year-to-date basis, they were -1.6%. GRAND TOTAL starts in November 2021 (i.e., including residential activity) were +2.4% m/m, -3.5% y/y, and +5.6% ytd.

	Commercial	Retail	Private Office	Hotel & Motel	Industrial	Institutional	Schools	Hospitals & Clinics	Heavy Engineering	Total Non-Residential
Nov 2021 vs Oct 2021	-2%	+12%	+239%	-9%	+12%	+2%	+2%	+47%	+4%	+2%
Jan-Nov 2021 vs Jan-Nov 2020	-7%	+2%	-30%	-37%	+43%	-11%	-14%	+21%	+2%	-2%
Jan-Nov 2020 vs Jan-Nov 2019	-28%	-26%	-30%	-53%	-61%	-10%	-9%	-35%	-16%	-23%

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November's Nonresidential Construction Starts +2% M/M, -8% Y/Y & -2% YTD

November Light on Mega Projects

ConstructConnect announced today that November 2021's volume of construction starts, excluding residential work, was $30.4 billion (see shaded green box, bottom of Table 10, page 11), an increase of +1.7% compared with October 2021's level of $29.9 billion (originally reported as $28.8 billion).

Compared with November 2020, the latest month's nonresidential starts were -8.0%. On a year-to-date basis, they were -1.6%. GRAND TOTAL starts in November 2021 (i.e., including residential activity) were +2.4% m/m, -3.5% y/y and +5.6% ytd.

November this year managed to avoid the usual modest decline in total starts due to seasonality, i.e., the arrival of colder weather heading into winter. Another feature of the latest month was that it was light in mega-sized projects. The only billion-dollar-plus project to break ground in November 2021 was Methanex Corp's Geismar 3 methanol plant in Louisiana, south of Baton Rouge. Methanol is a member of the alcohol family; is a liquid; and has multiple important industrial uses. It's not to be confused with methane which, as an emission of natural gas or animal waste, is largely viewed as an environmental villain.

Starts in November of last year included two mega projects adding to $4.0 billion, an office building in New York, at One Madison Avenue, and I-635 roadway work in Dallas, Texas.

Some Convergence, Residential vs Nonresidential

The large discrepancies in ConstructConnect's starts statistics between the three major types of structure that were evident earlier this year, — with residential super strong; nonresidential buildings quite weak; and engineering/civil on an even keel — are gradually diminishing.

Year to date, residential starts (+15.5%) are still up to a decent degree, but not by as much as previously; nonresidential building starts (-3.9%) remain down, but not as severely; and engineering starts (+2.1%) are doing a little better than flat.

On a month-to-month basis in November, residential starts were +3.1%; nonres building starts, +0.5%; and engineering, +3.7%.

Improving Trend in Trailing 12-Month Starts

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 November on a month-to-month basis were -0.3%, compared with -0.7% in October and +1.2% in September. On a year-over-year basis in November, GT TTM starts were +3.3% versus +2.8% in October and +2.0% in September. The improving trend seen in those last three percentage changes speaks of a construction marketplace that is on the mend.

Census Bureau's PIP Numbers Boosted by 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 October 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., 49.3%-to-50.7% respectively). The Census Bureau's October 2021 NSA ytd PIP results are +7.5% for total; +23.8%,

Continued on page 3

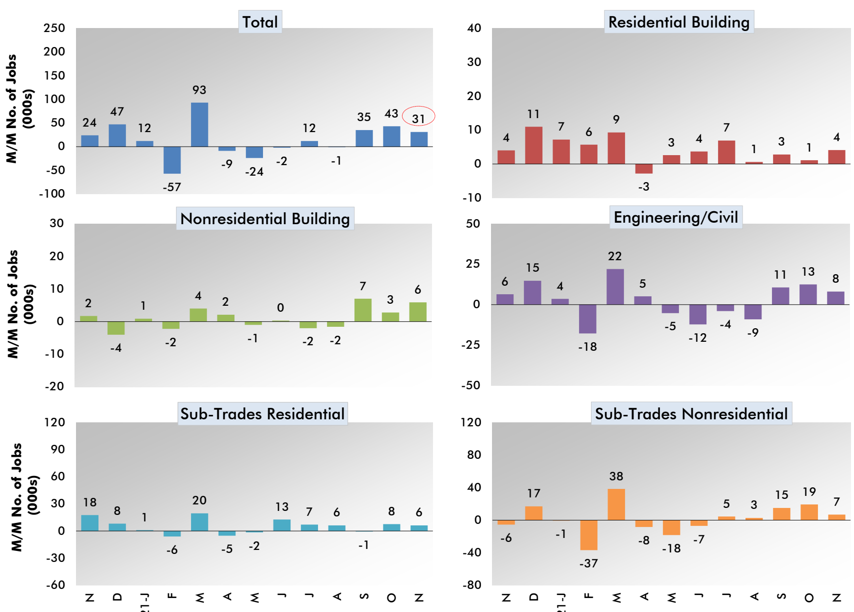
TABLE 1: VALUE OF UNITED STATES NONRESIDENTIAL CONSTRUCTION STARTS — NOVEMBER 2021 (ConstructConnect®)

	Jan-Nov 2021 ($ billions)	% Change Jan-Nov 21 vs Jan-Nov 20	% Change Nov 21 vs Nov 20	% Change Nov 21 vs Oct 21
Hotel/Motel	6.282	-37.2%	-48.7%	-9.4%
Retail/Shopping	11.844	2.4%	-11.3%	12.0%
Parking Garage	1.603	-2.1%	18.7%	-23.5%
Amusement	6.070	3.4%	-20.4%	-40.1%
Private Office	16.848	-30.4%	-56.8%	239.3%
Government Office	11.174	12.7%	26.1%	7.8%
Laboratory	2.090	1.0%	-21.7%	13.4%
Warehouse	24.166	-3.0%	-5.5%	51.6%
Miscellaneous Commercial *	10.379	54.3%	96.1%	-72.1%
COMMERCIAL (big subset)	**90.459**	**-6.7%**	**-23.7%**	**-2.3%**
INDUSTRIAL (Manufacturing)	**29.918**	**43.3%**	**186.3%**	**11.6%**
Religious	0.876	-39.5%	-62.8%	28.9%
Hospital/Clinic	15.322	21.2%	-13.8%	47.1%
Nursing/Assisted Living	5.255	-23.8%	-80.4%	-78.2%
Library/Museum	2.224	-37.7%	-42.4%	47.5%
Fire/Police/Courthouse/Prison	6.990	-5.1%	-48.2%	-19.9%
Military	8.568	-3.0%	9.7%	12.7%
School/College	55.233	-14.0%	-21.5%	1.5%
Miscellaneous Medical	5.975	-19.6%	-58.1%	-9.7%
INSTITUTIONAL	**100.443**	**-10.6%**	**-26.8%**	**2.0%**
Miscellaneous Non-residential	5.626	5.6%	-15.8%	-26.2%
NONRESIDENTIAL BUILDING	**226.446**	**-3.9%**	**-15.6%**	**0.5%**
Airport	4.906	-16.3%	-67.8%	-54.1%
Road/Highway	64.220	6.5%	-3.9%	1.8%
Bridge	17.045	-15.5%	48.8%	23.2%
Dam/Marine	7.532	-4.4%	90.4%	57.9%
Water/Sewage	31.785	10.2%	37.3%	-2.3%
Miscellaneous Civil (power, pipelines, etc.)	21.940	2.6%	-32.5%	-13.5%
HEAVY ENGINEERING (Civil)	**147.429**	**2.1%**	**6.5%**	**3.7%**
TOTAL NONRESIDENTIAL	**373.876**	**-1.6%**	**-8.0%**	**1.7%**

* 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 — NOVEMBER 2021



Hiring in the U.S. construction sector has been back on a roll over the last three months with, not exceptional, but solid nonetheless, increases in employment (Sept, +35,000 jobs; Oct, +43,000 jobs; and Nov, +31,000 jobs).

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

residential; and -4.7%, 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.

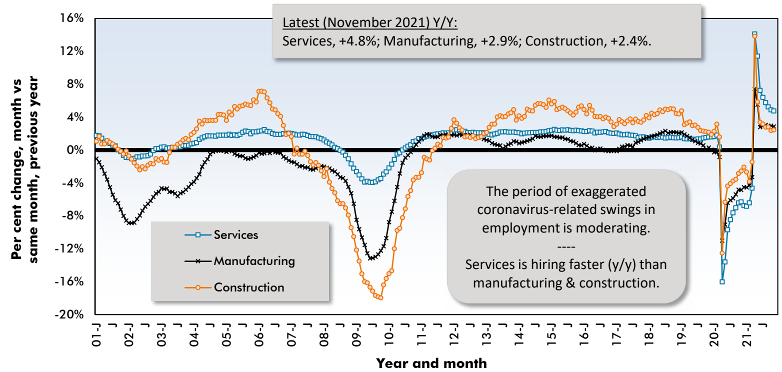
Construction Jobs +133,000 Year to Date

The construction sector has been on a hiring roll over the last three months. From the Bureau of Labor Statistics (BLS), the total number of onsite jobs advanced by +35,000 in September; +43,000 in October and +31,000 in November. Those three months have accounted for +109,000 of the +133,000 jobs increase year to date. A similar number of new jobs (+100,000) will need to be generated, however, before total employment in the sector will return to its February 2020 pre-pandemic level.

The not seasonally adjusted (NSA) unemployment rate in construction in the latest month was 4.7%, up from 4.0% in October, but well below

Continued on page 4

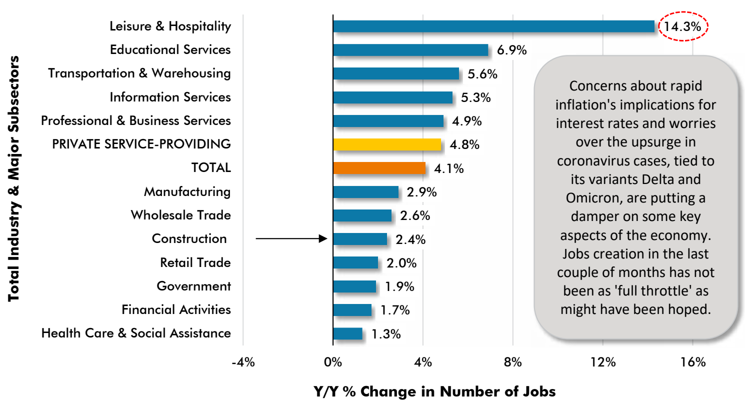
GRAPH 2: U.S. EMPLOYMENT NOVEMBER 2021 — % CHANGE Y/Y BASED ON SEASONALLY ADJUSTED (SA) DATA



The latest data points are for November, 2021.

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

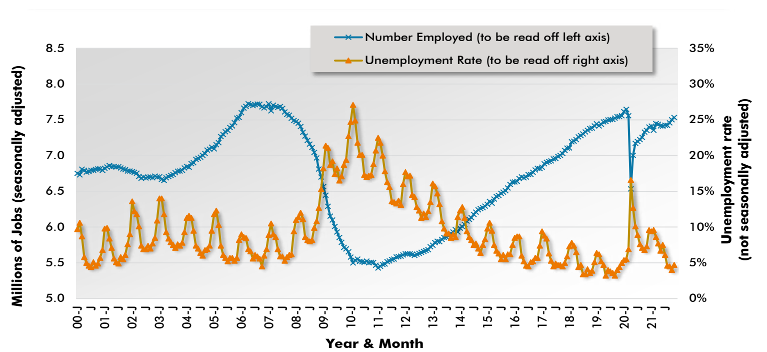
GRAPH 3: Y/Y JOBS CHANGE, U.S. TOTAL INDUSTRY & MAJOR SUBSECTORS — NOVEMBER 2021 (BASED ON SEASONALLY ADJUSTED PAYROLL DATA)



Nov 2021's y/y changes in employment within the hardest-hit sector, 'leisure & hospitality', were: 'hotels/motels', +24.0%; 'amusements/gambling', +17.5%; and 'restaurants & bars', +11.5%.

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

GRAPH 4: U.S. CONSTRUCTION EMPLOYMENT (SA) & UNEMPLOYMENT RATE (NSA)



Neither the total jobs number nor the unemployment rate for construction are quite back to where they were before the pandemic. They've made great progress, but there's a step or two still to go.

Current through November, 2021. SA is seasonally adjusted / NSA is not seasonally adjusted.

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

TABLE 2: MONITORING THE U.S. EMPLOYMENT RECOVERY — NOVEMBER 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) Nov 2021 vs Feb 2020 (Feb 2020 was last month unaffected by COVID-19)	Change in Number of Jobs (Millions) Nov 2021 vs Oct 2021 (i.e., vs previous month)	% Change Nov 2021 vs Feb 2020 (Feb 2020 was last month unaffected by COVID-19)	% Change Nov 2021 vs Oct 2021 (i.e., vs previous month)	Jobs Recovery Since Apr 2020, Millions	Claw Back Ratio
-22.362	-14.7%	Grand Total	-3.912	0.210	-2.6%	0.1%	18.450	82.5%
-18.787	-17.3%	Private Services-Providing	-2.564	0.175	-2.4%	0.2%	16.223	86.4%
-1.385	-10.8%	Manufacturing	-0.253	0.031	-2.0%	0.2%	1.132	81.7%
-1.113	-14.6%	Construction	-0.115	0.031	-1.5%	0.4%	0.998	89.7%
-2.375	-15.2%	Retail Trade	-0.176	-0.020	-1.1%	-0.1%	2.199	92.6%
-0.575	-9.9%	Transportation & Warehouse	0.210	0.050	3.6%	0.8%	0.785	136.5%
-0.279	-3.1%	Financial Activities	0.030	0.013	0.3%	0.1%	0.309	110.8%
-2.387	-11.1%	Professional & Business	-0.069	0.090	-0.3%	0.4%	2.318	97.1%
-0.281	-9.6%	Information Services	-0.123	-0.002	-4.2%	-0.1%	0.158	56.2%
-2.843	-11.6%	Education and Health	-0.793	0.004	-3.2%	0.0%	2.050	72.1%
-8.224	-48.6%	Leisure & Hospitality	-1.334	0.023	-7.9%	0.1%	6.890	83.8%
-1.009	-4.4%	Government	-0.935	-0.025	-4.1%	-0.1%	0.074	7.3%

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

Continued from page 3

the 7.3% rate for November of 2020. On a year-over-year basis, construction employment is now +2.4%, which isn't far off manufacturing's +2.9%, but is only half of the gain achieved by the private services-providing sector, +4.8%. The 'all jobs' increase is +4.1% y/y. 'Leisure and hospitality' employment is +14.3% y/y

Other corners of the economy with close ties to construction have seen the following year over year changes in employment: machinery and equipment rental and leasing, +7.7%; architectural and engineering services, +4.9%; real estate firms, +4.2%; oil and gas extraction, +0.3%; cement and concrete product manufacturing, -1.3%; and building material and supplies dealers, -2.9%. The solid increase of +4.9% y/y for employment with project design firms augurs well for eventual sitework employment resulting from the lead-lag relationship.

Pluses and Minuses among the Type of Structure Sub-categories

November's +1.7% month-to-month (m/m) increase in total nonresidential starts resulted from gains in industrial (+11.6%), engineering (+3.7%) and institutional (+2.0%) that were less than fully blunted by commercial (-2.3%).

The -8.0% performance of total nonresidential starts in November of this year versus November of last year (y/y) was due to drop downs in institutional (-26.8%) and commercial (-23.7%) that weren't entirely counterbalanced by pickups in industrial (+186.3%) and engineering (+6.5%).

Year to date (ytd) total non-residential starts in the eleventh month of 2021 were -1.6% despite industrial being +43.3% and engineering stepping forward by +2.1%. Exerting drag have been institutional, -10.6%, and commercial, -6.7%.

There are two dominant sub-categories of total nonresidential starts. When the year-to-date volumes of 'roads/highways' and 'schools/colleges' are added together, they account for nearly one-third of total nonresidential activity (i.e., shares of 14.8% and 17.2% respectively summing to 32.0%).

The three percentage-change metrics for street starts in November were +1.8% m/m, -3.9% y/y and +6.5% ytd. The corresponding key measures for school starts were +1.5% m/m, -21.5% y/y and -14.0% ytd. As a point of interest, Table 3 shows starts for the K-12 portion of educational to be -12.9% year to date, somewhat less negative than the college/university component, -18.0%.

New school starts may be malingering; anecdotally, though, plenty of renovation work is proceeding to address issues raised by the coronavirus and to provide students with a 'greener' and, therefore, healthier learning environment.

The next largest contributor (with an 8.5% share) to total nonresidential starts so far this year has been the 'water/sewage' sub-category. Its results have been -2.3% m/m, but +37.3% y/y and +10.2% ytd.

A consolidated health care sub-category of 'hospitals/clinics', 'nursing/assisted living' and 'miscellaneous medical' recorded starts in November that were: +1.9% m/m; -37.0% y/y; and -1.5% ytd. 'Hospital/clinic' starts on their own were +47.1% m/m (thanks to a big new VA medical center in Louisville, Kentucky — see page 8) and +21.2% ytd, although -13.8% y/y. 'Nursing/assisted living' starts were quite downbeat: -78.2% m/m; -80.4% y/y; and -23.8% ytd.

The major commercial sub-categories, already distressed by the pandemic, stayed weak on a year-to-date basis in the latest month, with 'hotels/motels' at -37.2% and 'private office buildings', -30.4%. The latter, though, was +239.3% m/m, due to a Wall Street office tower redevelopment in New York (again, see page 8).

Interestingly, November's government office building starts were +12.7% ytd. And miscellaneous' commercial starts were +54.3% year to date, driven primarily by 'transportation terminals' at +134.9%.

Continued on page 5

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

	Jan-Nov 2021 ($ billions)	% Change vs Jan-Nov 2020
Sports Stadiums/Convention Centers	$5.061	13.4%
Transportation Teminals	$5.319	134.9%
Courthouses	$2.032	1.7%
Police Stations & Fire Halls	$2.814	-8.1%
Prisons	$2.144	-7.0%
Pre-School/Elementary	$14.565	-23.2%
Junior & Senior High Schools	$25.194	-5.5%
K-12 (sum of above two categories)	$39.759	-12.9%
Special & Vocational Schools	$1.770	-6.2%
Colleges & Universities	$13.704	-18.0%
Electric Power Infrastructure	$8.507	89.2%

Source: ConstructConnect/Table: ConstructConnect.

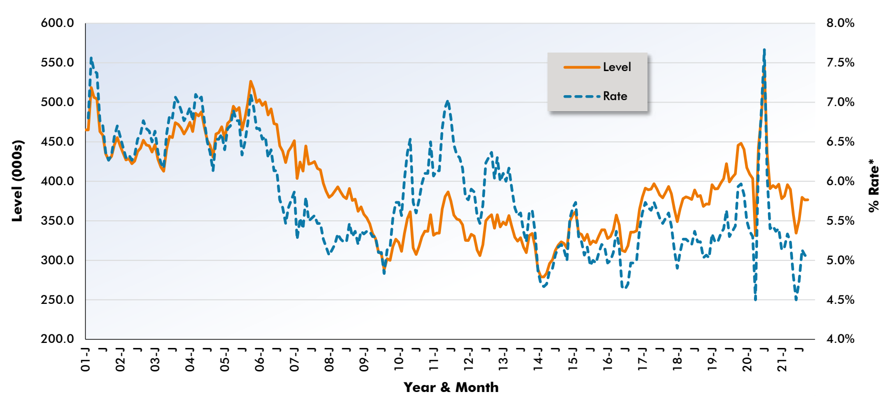
GRAPH 5: U.S. CONSTRUCTION JOB OPENINGS (FROM JOLTS REPORT) (3-MONTH MOVING AVERAGES PLACED IN LATEST MONTH)

Construction job 'openings', as both a level and a rate, are quite elevated and are now matching their previous peaks realized in May 2019. On the flip side, hiring is not keeping up.

*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 October 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 hires, both as a level and rate, have risen from their 'floors', but they remain uninspiring and, in fact, at least on a 'smoothed' basis, have taken slight dips recently.

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

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

Continued from page 4

Finally, under engineering's banner, 'power infrastructure' starts in November were +89.2% ytd, although they were -87.7% m/m and -90.3% y/y. This is a category of starts where the monthly percentage-change results can be inordinately impacted by the timing of outsized project groundbreakings.

Hopes for a 'Boomerang' Effect from JOLTS

The labor shortage story in construction is a familiar one, an abundance of 'openings' that are not being rectified by hires. As seen in Graph 5, openings, both as a level and rate, are now matching their peaks achieved in mid-2019. From Graph 6, though, there's been no recent breakout in hiring. Even substantial increases in earnings aren't drawing potential workers to jobsites.

Employers are said to be hoping for a 'boomerang' effect. This is a mildly humorous, although strained, attempt at a play on words. Many older workers from the 'boomer' generation retired during the pandemic. ('Baby boomers' were born between the mid-1940s and mid-1960s.) The thought is that a good number of them will find too much leisure time boring and that there is an opportunity to lure many of them back to rewarding positions.

Most Starts Trend Graphs Moving Sideways

Almost all the 12-month moving average trend graphs on page 9 are moving sideways. There are four notable exceptions. The 'private office buildings' category has taken another steep dip lately, as a large project from last year has dropped out of the moving average calculation. Also, the 'schools/colleges' designation is continuing on a downward slope.

But there are also a couple of curves moving in the other direction. The 'bridges' graph line, over the past several months, has been ticking back upwards, after retreating from a noteworthy peak. And 'water/sewage' work remains on a slight incline.

Significant Wage Hikes Underway

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.

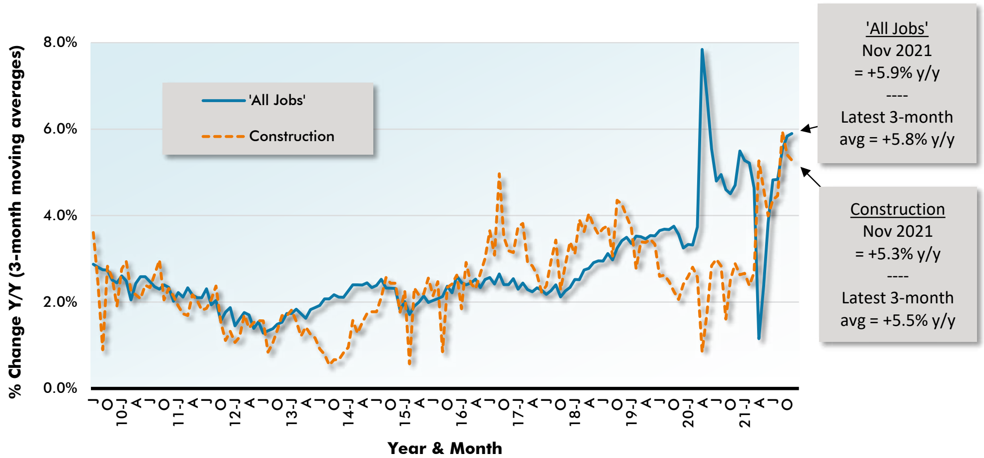
From Table B-3 (including bosses), 'all jobs' earnings y/y in November were +4.8% both hourly and weekly. Construction workers, as a subset of 'all jobs', managed the exact same increases, +4.8% both hourly and weekly. From Table B-8 (leaving out bosses), the y/y 'all jobs' compensation gains were +5.9% hourly and +5.6% weekly. Construction workers straggled a little hourly, +5.3%, but danced ahead weekly, +6.4%.

Material Cost Pressures Unabated

November's y/y results for three building related BLS Producer Price Index (PPI) series were as follows: (A) 'construction materials special index', +34.7% (an increase from October's +30.8%); (B)

Continued on page 6

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

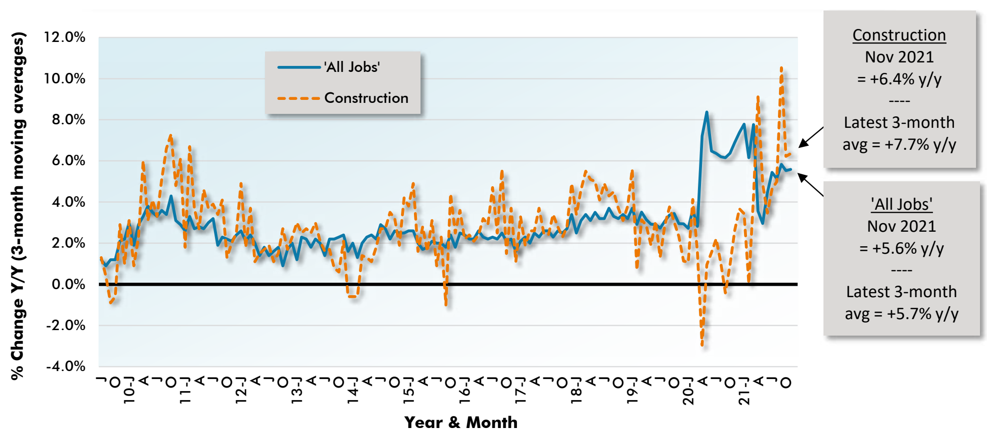


Hourly wage increases for 'all jobs' and for 'construction workers' as a subset have now moved above +5.0%. The average increase for 'all jobs' from 2010 to 2019 was +2.4% and for 'construction workers', +2.3%. There's been a doubling.

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

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

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



Weekly earnings paid to construction workers soared to +10.5% y/y in September, 2021. They've since settled back to +6.4% y/y. The NSA unemployment rate in construction is presently 4.7%, not far off the 3.9% figure for 'all jobs'.

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

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

Continued from page 5

'inputs to new construction index, excluding capital investment, labor and imports', +20.5% (a step up from the previous month's +18.3%); and (C) 'final demand construction', designed to capture bid prices, +12.3% (slightly above October's +12.1%).

By the way, according to an authoritative BLS spokesperson, (A) comes from a data series with a long history, but it's confined to a limited number of major construction materials. (B) has a shorter history, but it's more comprehensive in its coverage, although it includes some items (e.g., transportation) that aren't strictly materials.

Concerning the cost of some major construction material inputs, as revealed in the PPI data set published by the BLS, asphalt in November was +82.9% year over year; hot rolled steel bars, plates and structural shapes, +60.7%; aluminum sheet and strip, +45.8%; copper wire and cable, +24.5%; gypsum products, +20.9%; ready-mix concrete, +7.1%; cement, +4.8%; and softwood lumber, +3.5%.

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.

November 2021's 'Grand Total' Starts +5.8% Ytd

From Table 10 on page 11 of this report, ConstructConnect's total residential starts in November were +3.1% m/m, +2.2% y/y and +15.5% ytd. Multi-family starts in November were +22.9% m/m, +7.1% y/y and +8.4% ytd. Single-family starts were -3.3% m/m, +0.3% y/y and +18.3% ytd. Year to date, single-family starts have been livelier than multi-family (apartments and condos) starts, but the margin of superiority has been shrinking.

Including home building with all nonresidential categories, Grand Total starts in November 2021 were +2.4% m/m, -3.5% y/y and +5.6% 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-Nov 2021	% Change vs Jan-Nov 2020
1	Texas	$43,996,527,716	-10.0%
2	California	$33,462,305,641	-8.3%
3	Florida	$22,384,766,606	2.5%
4	New York	$19,828,031,040	4.6%
5	Arizona	$15,686,566,834	104.0%
6	Ohio	$13,603,357,381	-2.8%
7	North Carolina	$13,317,744,375	30.8%
8	Pennsylvania	$12,572,232,276	15.4%
9	Illinois	$12,098,690,231	-12.3%
10	Massachusetts	$10,602,183,441	14.7%
11	Georgia	$10,442,717,887	-14.3%
12	Minnesota	$9,349,455,588	15.1%
13	Virginia	$9,182,481,722	-10.6%
14	Tennessee	$8,947,044,661	16.7%
15	Michigan	$8,189,573,647	10.8%
16	Missouri	$7,997,379,510	-12.9%
17	Louisiana	$7,729,697,332	73.0%
18	Indiana	$7,706,339,606	-2.3%
19	Washington	$7,403,654,373	-41.2%
20	Wisconsin	$6,843,869,879	-20.9%

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-Nov 2021	% Change vs Jan-Nov 2020
1	Texas	$25,098,637,953	-17.8%
2	California	$20,155,202,887	-0.7%
3	Florida	$14,025,447,114	-3.1%
4	Arizona	$13,811,423,639	136.3%
5	New York	$12,463,702,612	-10.6%
6	North Carolina	$9,881,647,315	24.8%
7	Ohio	$8,903,123,139	-2.9%
8	Pennsylvania	$8,470,420,409	29.4%
9	Georgia	$6,958,343,166	-16.0%
10	Tennessee	$6,546,292,891	13.1%
11	Virginia	$6,248,283,170	-4.1%
12	Illinois	$6,031,662,912	-17.4%
13	Missouri	$5,460,691,570	-22.3%
14	Louisiana	$5,312,009,803	217.7%
15	Massachusetts	$5,266,266,022	-18.5%
16	Indiana	$4,585,681,613	-3.5%
17	Washington	$4,580,047,253	-19.9%
18	Alabama	$4,282,351,250	23.0%
19	Maryland	$4,234,297,494	-16.8%
20	Colorado	$4,038,758,393	-12.2%

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

		Jan-Nov 2021	% Change vs Jan-Nov 2020
1	Texas	$18,897,889,763	3.0%
2	California	$13,307,102,754	-17.8%
3	Florida	$8,359,319,492	13.7%
4	New York	$7,364,328,428	47.1%
5	Minnesota	$6,223,426,654	51.7%
6	Illinois	$6,067,027,319	-6.6%
7	Massachusetts	$5,335,917,419	91.6%
8	Ohio	$4,700,234,242	-2.6%
9	Michigan	$4,265,063,403	33.5%
10	Pennsylvania	$4,101,811,867	-5.7%
11	Georgia	$3,484,374,721	-10.7%
12	Wisconsin	$3,448,239,716	9.8%
13	North Carolina	$3,436,097,060	51.9%
14	Indiana	$3,120,657,993	-0.5%
15	New Jersey	$3,103,385,296	-5.1%
16	Virginia	$2,934,198,552	-22.0%
17	Washington	$2,823,607,120	-58.9%
18	Colorado	$2,727,814,321	23.0%
19	Missouri	$2,536,687,940	17.7%
20	Louisiana	$2,417,687,529	-13.5%

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

			Jan-Nov 2021 ($ billions)	% Change Jan-Nov 21 vs Jan-Nov 20	% Change Nov 21 vs Nov 20	% Change Nov 21 vs Oct 21
Summary						
CIVIL			147.429	2.1%	6.5%	3.7%
NONRESIDENTIAL BUILDING			226.446	-3.9%	-15.6%	0.5%
RESIDENTIAL			318.555	15.5%	2.2%	3.1%
GRAND TOTAL			692.431	5.6%	-3.5%	2.4%
Verticals						
		Airport	4.906	-16.3%	-67.8%	-54.1%
		All Other Civil	13.433	-20.5%	8.9%	39.9%
		Bridges	17.045	-15.5%	48.8%	23.2%
		Dams / Canals / Marine Work	7.532	-4.4%	90.4%	57.9%
		Power Infrastructure	8.507	89.2%	-90.3%	-87.7%
		Roads	64.220	6.5%	-3.9%	1.8%
		Water and Sewage Treatment	31.785	10.2%	37.3%	-2.3%
CIVIL			147.429	2.1%	6.5%	3.7%
		Offices (private)	16.848	-30.4%	-56.8%	239.3%
		Parking Garages	1.603	-2.1%	18.7%	-23.5%
		Transportation Terminals	5.319	134.9%	472.8%	-70.2%
	Commercial (small subset)		23.770	-15.5%	-44.6%	3.3%
		Amusement	6.070	3.4%	-20.4%	-40.1%
		Libraries / Museums	2.224	-37.7%	-42.4%	47.5%
		Religious	0.876	-39.5%	-62.8%	28.9%
		Sports Arenas / Convention Centers	5.061	13.4%	8.0%	-74.0%
	Community		14.231	-7.3%	-22.3%	-57.8%
		College / University	13.704	-18.0%	-25.5%	21.5%
		Elementary / Pre School	14.565	-23.2%	-41.8%	13.0%
		Jr / Sr High School	25.194	-5.5%	-7.1%	-15.0%
		Special / Vocational	1.770	-6.2%	35.5%	28.5%
	Educational		55.233	-14.0%	-21.5%	1.5%
		Courthouses	2.032	1.7%	-89.7%	-61.7%
		Fire and Police Stations	2.814	-8.1%	-2.3%	-3.8%
		Government Offices	11.174	12.7%	26.1%	7.8%
		Prisons	2.144	-7.0%	80.4%	-7.8%
	Government		18.165	5.1%	-17.5%	-4.4%
		Industrial Labs / Labs / School Labs	2.090	1.0%	-21.7%	13.4%
		Manufacturing	29.918	43.3%	186.3%	11.6%
		Warehouses	24.166	-3.0%	-5.5%	51.6%
	Industrial		56.175	17.4%	42.5%	27.2%
		Hospitals / Clinics	15.322	21.2%	-13.8%	47.1%
		Medical Misc.	5.975	-19.6%	-58.1%	-9.7%
		Nursing Homes	5.255	-23.8%	-80.4%	-78.2%
	Medical		26.552	-1.5%	-37.0%	1.9%
	Military		8.568	-3.0%	9.7%	12.7%
		Hotels	6.282	-37.2%	-48.7%	-9.4%
		Retail Misc.	5.626	5.6%	-15.8%	-26.2%
		Shopping	11.844	2.4%	-11.3%	12.0%
	Retail		23.753	-11.7%	-27.7%	-6.5%
NONRESIDENTIAL BUILDING			226.446	-3.9%	-15.6%	0.5%
		Multi-Family	82.805	8.4%	7.1%	22.9%
		Single-Family	235.749	18.3%	0.3%	-3.3%
RESIDENTIAL			318.555	15.5%	2.2%	3.1%
NONRESIDENTIAL			373.876	-1.6%	-8.0%	1.7%
GRAND TOTAL			692.431	5.6%	-3.5%	2.4%

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 NOVEMBER 2021

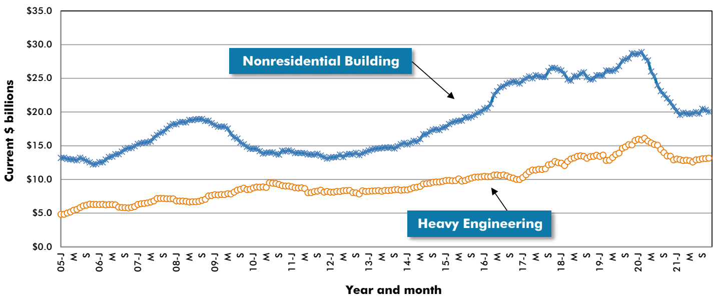
LOCATION (EAST TO WEST)	TYPE OF CONSTRUCTION	DESCRIPTION	SQUARE FEET 000S*	DOLLARS 000,000S
New York				
New York	Commercial	Wall Street Office Redevelopment (5 structures) 111 Wall St The Nightingale Group	*	$860
Long Beach	Residential	Mixed-Use Development / Long Beach (5 structures; 19 stories; 438 units) 100 E Broadway Engel Burman Construction	550	$369
Brooklyn	Residential	Gowanus Green Mixed Use Development (2 structures; 774 units) 225 3rd St The Hudson Companies	873	$306
Ohio				
New Albany	Industrial	Pharmaceutical Manufacturing and Packaging Facility (1 structure) State Route 161 Expressway and Beech Rd Amgen	270	$365
Kentucky				
Louisville	Institutional	Construction of the New VA Medical Center (VAMC) Project in Louisville, KY (2 structures) 4906 Brownsboro Rd U.S. Army Corps of Engineers / Louisville District	910	$840
Iowa				
Eddyville	Industrial	Cargill Iowa Bioprocessing Center Expansion - Renewable BDO (butanediol) Facility (site of corn plant)/ Monroe County (1 structure) 17540 Monroe Wapello Rd Cargill Inc	*	$300
Louisiana				
Geismar	Industrial	Geismar 3 Methanol Plant (1 structure) 4171 LA-73 Methanex Corporation	*	$1,300
Texas				
Fort Worth	Residential	The Museum Place (3 structures; 375 units) 3300 Camp Bowie Blvd Crescent Real Estate Equities	296	$250
Colorado				
Loveland	Civil/Engineering	Chimney Hollow Reservoir Project (2 structures) Larimer County Northern Colorado Water Conservancy District	*	$450
Arizona				
Chandler	Civil/Engineering	I-10 Broadway Curve Interstate 17 (Split) to Loop 202 (Santan Freeway) (2 structures) I-10 Arizona Department of Transportation (AZDOT) - Phoenix Construction District Office	*	$616
TOTALS:			**2,899**	**$5,656**

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

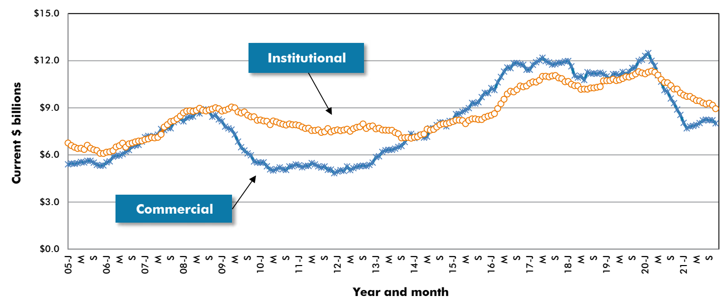
Source: ConstructConnect/Table: ConstructConnect.

Trend graphs for 12 key categories

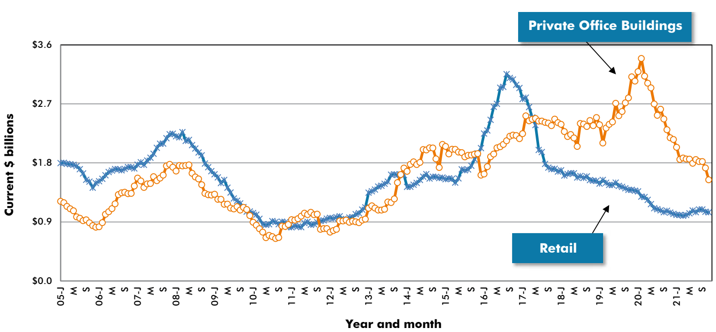
GRAPH 9: U.S. NONRESIDENTIAL CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



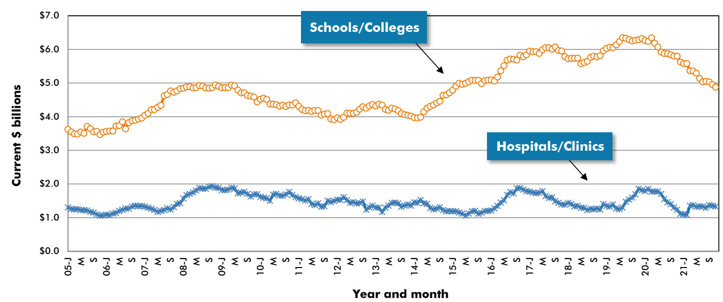
GRAPH 10: U.S. COMMERCIAL AND INSTITUTIONAL CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



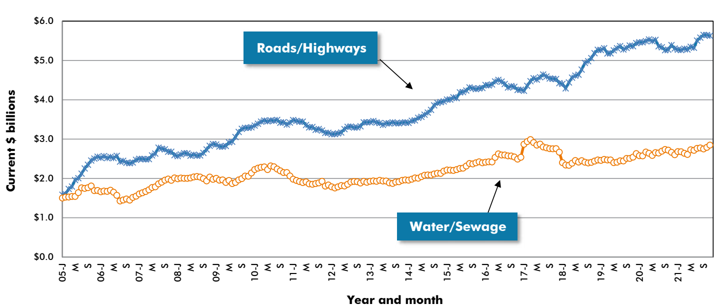
GRAPH 11: U.S. RETAIL AND PRIVATE OFFICE BUILDING CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



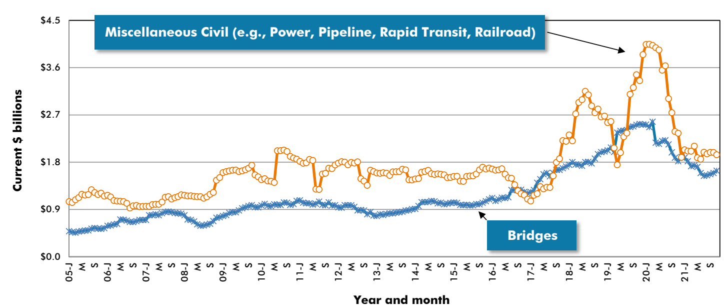
GRAPH 12: U.S. HOSPITAL/CLINIC AND SCHOOL/COLLEGE CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



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 November, 2021.

Source: ConstructConnect/Charts: ConstructConnect.

Regional starts table

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

	Jan-Nov 2020	Jan-Nov 2021	% Change
Connecticut	$3,443,418,278	$2,675,900,575	-22.3%
Maine	$1,619,244,616	$2,915,241,474	80.0%
Massachusetts	$9,243,282,229	$10,602,183,441	14.7%
New Hampshire	$1,018,528,086	$1,345,689,836	32.1%
Rhode Island	$689,199,034	$887,476,118	28.8%
Vermont	$537,625,745	$344,427,027	-35.9%
Total New England	$16,551,297,988	$18,770,918,471	13.4%
New Jersey	$7,014,187,551	$6,296,934,179	-10.2%
New York	$18,950,590,390	$19,828,031,040	4.6%
Pennsylvania	$10,898,167,057	$12,572,232,276	15.4%
Total Middle Atlantic	$36,862,944,998	$38,697,197,495	5.0%
TOTAL NORTHEAST	$53,414,242,986	$57,468,115,966	7.6%
Illinois	$13,797,759,624	$12,098,690,231	-12.3%
Indiana	$7,887,521,077	$7,706,339,606	-2.3%
Michigan	$7,389,022,864	$8,189,573,647	10.8%
Ohio	$13,991,492,646	$13,603,357,381	-2.8%
Wisconsin	$8,653,452,747	$6,843,869,879	-20.9%
Total East North Central	$51,719,248,958	$48,441,830,744	-6.3%
Iowa	$4,843,293,967	$5,093,104,052	5.2%
Kansas	$5,139,778,884	$3,483,556,896	-32.2%
Minnesota	$8,123,598,346	$9,349,455,588	15.1%
Missouri	$9,181,243,320	$7,997,379,510	-12.9%
Nebraska	$4,201,984,990	$3,536,943,559	-15.8%
North Dakota	$2,259,718,558	$2,036,018,580	-9.9%
South Dakota	$1,216,434,316	$1,763,859,532	45.0%
Total West North Central	$34,966,052,381	$33,260,317,717	-4.9%
TOTAL MIDWEST	$86,685,301,339	$81,702,148,461	-5.7%
Delaware	$1,567,032,135	$981,426,992	-37.4%
District of Columbia	$842,295,322	$887,217,727	5.3%
Florida	$21,830,931,072	$22,384,766,606	2.5%
Georgia	$12,182,475,967	$10,442,717,887	-14.3%
Maryland	$6,613,317,840	$5,504,140,027	-16.8%
North Carolina	$10,179,247,106	$13,317,744,375	30.8%
South Carolina	$5,137,401,305	$4,861,693,043	-5.4%
Virginia	$10,274,673,892	$9,182,481,722	-10.6%
West Virginia	$2,442,725,436	$1,126,839,679	-53.9%
Total South Atlantic	$71,070,100,075	$68,689,028,058	-3.4%
Alabama	$5,031,918,053	$6,141,972,837	22.1%
Kentucky	$5,239,024,356	$4,804,529,687	-8.3%
Mississippi	$2,989,004,051	$2,583,913,965	-13.6%
Tennessee	$7,664,238,054	$8,947,044,661	16.7%
Total East South Central	$20,924,184,514	$22,477,461,150	7.4%
Arkansas	$4,240,780,158	$2,755,896,439	-35.0%
Louisiana	$4,466,954,284	$7,729,697,332	73.0%
Oklahoma	$4,104,690,146	$4,229,869,915	3.0%
Texas	$48,886,071,359	$43,996,527,716	-10.0%
Total West South Central	$61,698,495,947	$58,711,991,402	-4.8%
TOTAL SOUTH	$153,692,780,536	$149,878,480,610	-2.5%
Arizona	$7,690,440,241	$15,686,566,834	104.0%
Colorado	$6,816,931,119	$6,766,572,714	-0.7%
Idaho	$1,384,307,654	$1,256,598,152	-9.2%
Montana	$1,508,609,310	$1,085,242,100	-28.1%
Nevada	$3,411,105,442	$3,586,873,156	5.2%
New Mexico	$1,937,363,683	$1,690,557,402	-12.7%
Utah	$6,163,896,804	$4,705,499,235	-23.7%
Wyoming	$920,614,864	$965,759,824	4.9%
Total Mountain	$29,833,269,117	$35,743,669,417	19.8%
Alaska	$1,364,000,394	$1,261,501,964	-7.5%
California	$36,476,636,248	$33,462,305,641	-8.3%
Hawaii	$1,901,226,637	$2,002,242,164	5.3%
Oregon	$4,024,029,167	$4,953,626,672	23.1%
Washington	$12,592,027,811	$7,403,654,373	-41.2%
Total Pacific	$56,357,920,257	$49,083,330,814	-12.9%
TOTAL WEST	$86,191,189,374	$84,827,000,231	-1.6%
TOTAL U.S.	$379,983,514,235	$373,875,745,268	-1.6%

*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 — NOVEMBER 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.	
	Sep 21	Oct 21	Nov 21	Sep 21	Oct 21	Nov 21	Sep 21	Oct 21	Nov 21	Jan-Nov 2020	Jan-Nov 2021
Single Family	21.194	20.036	19.376	22.533	21.229	20.202	21.475	21.305	21.309	199.330	235.749
month-over-month % change	-5.6%	-5.5%	-3.3%	-6.2%	-5.8%	-4.8%	0.0%	-0.8%	0.0%		
year-over-year % change	0.5%	-9.3%	0.3%	8.5%	0.0%	-3.0%	25.1%	21.3%	19.0%	8.8%	18.3%
Apartment	5.249	6.396	7.862	7.000	6.815	6.502	7.464	7.336	7.380	76.380	82.805
month-over-month % change	-40.4%	21.8%	22.9%	-10.9%	-2.6%	-4.6%	-1.7%	-1.7%	0.6%		
year-over-year % change	-22.9%	-19.3%	7.1%	2.2%	-4.3%	-11.7%	-0.9%	1.1%	4.1%	-15.5%	8.4%
TOTAL RESIDENTIAL	26.444	26.431	27.238	29.532	28.044	26.704	28.939	28.641	28.689	275.710	318.555
month-over-month % change	-15.4%	0.0%	3.1%	-7.3%	-5.0%	-4.8%	-0.4%	-1.0%	0.2%		
year-over-year % change	-5.2%	-11.9%	2.2%	6.9%	-1.1%	-5.3%	17.2%	15.4%	14.8%	0.8%	15.5%
Hotel/Motel	0.654	0.583	0.528	0.569	0.547	0.588	0.583	0.581	0.540	10.002	6.282
month-over-month % change	62.2%	-10.8%	-9.4%	-7.3%	-4.0%	7.6%	1.3%	-0.4%	-7.2%		
year-over-year % change	16.1%	-4.3%	-48.7%	-11.6%	-7.2%	-19.8%	-54.8%	-49.7%	-46.3%	-53.5%	-37.2%
Retail/Shopping	1.030	0.737	0.826	1.135	1.135	0.864	1.089	1.055	1.046	11.571	11.844
month-over-month % change	-37.2%	-28.4%	12.0%	-13.1%	0.1%	-23.9%	-0.1%	-3.2%	-0.8%		
year-over-year % change	-0.8%	-36.1%	-11.3%	5.6%	2.1%	-16.9%	3.9%	-1.4%	0.4%	-25.7%	2.4%
Parking Garages	0.081	0.148	0.114	0.135	0.125	0.114	0.140	0.141	0.142	1.637	1.603
month-over-month % change	-43.8%	82.2%	-23.5%	-10.0%	-7.2%	-8.3%	-2.8%	0.8%	1.1%		
year-over-year % change	-37.6%	10.1%	18.7%	-2.4%	-16.6%	-4.9%	-19.5%	-13.2%	-3.2%	-46.1%	-2.1%
Amusement	0.354	0.498	0.298	0.707	0.482	0.384	0.565	0.548	0.542	5.871	6.070
month-over-month % change	-40.4%	40.7%	-40.1%	-14.3%	-31.7%	-20.5%	-3.1%	-3.0%	-1.2%		
year-over-year % change	-38.1%	-29.0%	-20.4%	61.2%	-11.7%	-30.2%	1.0%	0.0%	-0.2%	-15.6%	3.4%
Office	1.448	0.486	1.648	2.248	1.745	1.194	1.820	1.724	1.543	24.223	16.848
month-over-month % change	-56.1%	-66.4%	239.3%	7.5%	-22.4%	-31.6%	0.0%	-5.3%	-10.5%		
year-over-year % change	0.0%	-70.3%	-56.8%	4.6%	-22.7%	-48.1%	-26.3%	-25.2%	-29.3%	-30.0%	-30.4%
Governmental Offices	0.941	0.871	0.939	1.409	1.037	0.917	0.964	0.977	0.993	9.915	11.174
month-over-month % change	-27.6%	-7.5%	7.8%	3.9%	-26.4%	-11.6%	-6.3%	1.3%	1.7%		
year-over-year % change	-45.4%	21.6%	26.1%	22.0%	-6.6%	-13.6%	1.5%	6.4%	11.7%	-9.8%	12.7%
Laboratories	0.151	0.123	0.139	0.260	0.178	0.138	0.211	0.201	0.198	2.070	2.090
month-over-month % change	-41.4%	-18.9%	13.4%	-5.1%	-31.7%	-22.4%	-3.1%	-4.6%	-1.6%		
year-over-year % change	-34.8%	-48.8%	-21.7%	56.6%	-10.3%	-36.4%	12.8%	1.1%	-0.3%	-1.8%	1.0%
Warehouse	2.338	1.657	2.512	2.200	2.093	2.169	2.201	2.135	2.123	24.911	24.166
month-over-month % change	2.4%	-29.1%	51.6%	3.9%	-4.8%	3.6%	2.6%	-3.0%	-0.6%		
year-over-year % change	39.4%	-32.3%	-5.5%	12.8%	-3.1%	-4.0%	3.7%	-3.1%	-5.8%	21.9%	-3.0%
Misc Commercial	0.516	2.893	0.808	0.518	1.381	1.406	0.632	0.845	0.878	6.725	10.379
month-over-month % change	-29.9%	460.9%	-72.1%	-57.5%	166.5%	1.7%	-1.4%	33.6%	3.9%		
year-over-year % change	-17.3%	746.6%	96.1%	-32.3%	145.5%	206.2%	-20.2%	15.6%	38.6%	-65.9%	54.3%
TOTAL COMMERCIAL	7.513	7.996	7.812	9.180	8.723	7.774	8.205	8.206	8.004	96.925	90.459
month-over-month % change	-29.5%	6.4%	-2.3%	-7.8%	-5.0%	-10.9%	-0.5%	0.0%	-2.5%		
year-over-year % change	-6.2%	0.2%	-23.7%	8.2%	0.5%	-11.1%	-14.5%	-11.7%	-10.0%	-28.2%	-6.7%
TOTAL INDUSTRIAL (Manufacturing)	10.694	2.476	2.763	4.715	4.762	5.311	2.468	2.415	2.565	20.884	29.918
month-over-month % change	857.1%	-76.8%	11.6%	192.7%	1.0%	11.5%	40.5%	-2.2%	6.2%		
year-over-year % change	394.5%	-20.6%	186.3%	108.2%	62.7%	155.1%	22.3%	18.7%	36.7%	-61.5%	43.3%
Religious	0.049	0.042	0.055	0.084	0.083	0.049	0.102	0.095	0.088	1.448	0.876
month-over-month % change	-68.8%	-14.0%	28.9%	-14.6%	-1.4%	-41.4%	-6.2%	-7.0%	-8.1%		
year-over-year % change	-62.1%	-66.9%	-62.8%	-22.7%	-31.8%	-63.9%	-23.3%	-30.0%	-32.6%	-18.5%	-39.5%
Hosptials/Clinics	1.834	1.035	1.523	1.230	1.232	1.464	1.372	1.356	1.336	12.640	15.322
month-over-month % change	121.3%	-43.5%	47.1%	20.3%	0.2%	18.8%	5.7%	-1.1%	-1.5%		
year-over-year % change	94.6%	-14.8%	-13.8%	12.0%	9.8%	11.9%	-2.2%	4.1%	8.1%	-35.5%	21.2%
Nursing/Assisted Living	0.455	0.539	0.118	0.486	0.524	0.371	0.534	0.527	0.487	6.894	5.255
month-over-month % change	-21.4%	18.4%	-78.2%	-21.3%	8.0%	-29.3%	-4.3%	-1.3%	-7.6%		
year-over-year % change	-38.6%	-13.0%	-80.4%	-24.4%	-26.9%	-43.3%	-17.5%	-15.2%	-20.5%	-24.6%	-23.8%
Libraries/Museums	0.202	0.095	0.141	0.244	0.163	0.146	0.217	0.214	0.205	3.569	2.224
month-over-month % change	6.0%	-52.8%	47.5%	0.5%	-33.5%	-10.2%	4.2%	-1.3%	-4.0%		
year-over-year % change	106.5%	-26.4%	-42.4%	29.9%	4.9%	-7.2%	-39.4%	-33.4%	-34.8%	-7.6%	-37.7%
Fire/Police/Courthouse/Prison	0.591	0.683	0.547	0.635	0.624	0.607	0.680	0.684	0.642	7.367	6.990
month-over-month % change	-0.9%	15.5%	-19.9%	-13.0%	-1.8%	-2.7%	-0.7%	0.7%	-6.2%		
year-over-year % change	-8.4%	8.9%	-48.2%	-15.3%	-17.7%	-21.8%	8.2%	10.8%	-2.2%	14.5%	-5.1%
Military	0.856	1.058	1.192	0.677	0.841	1.035	0.730	0.737	0.746	8.829	8.568
month-over-month % change	40.5%	23.6%	12.7%	-16.0%	24.2%	23.1%	-1.1%	0.9%	1.2%		
year-over-year % change	-10.3%	8.4%	9.7%	-6.7%	-1.5%	2.9%	1.4%	2.5%	-1.2%	83.2%	-3.0%
Schools/Colleges	3.924	3.365	3.415	4.984	4.430	3.568	5.034	4.957	4.879	64.223	55.233
month-over-month % change	-34.6%	-14.2%	1.5%	-20.4%	-11.1%	-19.5%	-0.3%	-1.5%	-1.6%		
year-over-year % change	-4.7%	-21.6%	-21.5%	-7.8%	-6.4%	-16.1%	-13.8%	-14.6%	-15.8%	-9.0%	-14.0%
Misc Medical	0.856	0.327	0.296	0.648	0.573	0.493	0.624	0.597	0.563	7.428	5.975
month-over-month % change	59.3%	-61.8%	-9.7%	4.8%	-11.4%	-14.0%	4.4%	-4.3%	-5.7%		
year-over-year % change	59.4%	-49.4%	-58.1%	0.4%	-2.8%	-21.8%	-9.4%	-10.3%	-18.1%	-12.8%	-19.6%
TOTAL INSTITUTIONAL	8.767	7.146	7.287	8.989	8.471	7.733	9.292	9.168	8.946	112.398	100.443
month-over-month % change	-7.7%	-18.5%	2.0%	-13.6%	-5.8%	-8.7%	0.5%	-1.3%	-2.4%		
year-over-year % change	7.4%	-17.2%	-26.8%	-6.0%	-6.4%	-13.3%	-10.8%	-10.0%	-12.2%	-9.9%	-10.6%
Misc Non Residential	0.493	0.601	0.443	0.485	0.500	0.512	0.512	0.515	0.508	5.328	5.626
month-over-month % change	21.2%	21.9%	-26.2%	1.4%	3.3%	2.4%	0.3%	0.5%	-1.3%		
year-over-year % change	4.3%	5.1%	-15.8%	7.3%	-2.6%	-2.1%	-7.2%	0.6%	5.5%	-26.2%	5.6%
TOTAL NON-RES BUILDING	27.467	18.219	18.305	23.368	22.457	21.330	20.478	20.304	20.022	235.535	226.446
month-over-month % change	26.7%	-33.7%	0.5%	4.1%	-3.9%	-5.0%	3.7%	-0.8%	-1.4%		
year-over-year % change	46.0%	-10.3%	-15.6%	12.6%	6.0%	5.2%	-9.3%	-7.8%	-6.6%	-26.6%	-3.9%
Airports	0.496	0.442	0.203	0.563	0.525	0.380	0.460	0.458	0.423	5.863	4.906
month-over-month % change	-22.0%	-11.0%	-54.1%	-18.8%	-6.8%	-27.5%	-3.5%	-0.3%	-7.8%		
year-over-year % change	-28.5%	-4.2%	-67.8%	-19.5%	-16.1%	-36.1%	-15.3%	-8.6%	-19.5%	-15.7%	-16.3%
Roads/Highways	4.808	5.059	5.147	6.355	5.338	5.005	5.651	5.647	5.629	60.320	64.220
month-over-month % change	-21.8%	5.2%	1.8%	-9.5%	-16.0%	-6.2%	1.2%	-0.1%	-0.3%		
year-over-year % change	20.0%	-0.9%	-3.9%	26.0%	11.8%	3.8%	7.4%	7.1%	4.4%	-1.0%	6.5%
Bridges	1.234	1.314	1.618	1.328	1.270	1.389	1.572	1.592	1.636	20.170	17.045
month-over-month % change	-2.1%	6.5%	23.2%	-7.2%	-4.4%	9.4%	1.5%	1.3%	2.8%		
year-over-year % change	28.1%	22.2%	48.8%	-6.2%	19.9%	33.3%	-20.9%	-15.5%	-9.9%	-29.4%	-15.5%
Dams/Marine	0.921	0.898	1.417	0.705	0.820	1.078	0.635	0.605	0.661	7.881	7.532
month-over-month % change	43.3%	-2.5%	57.9%	14.2%	16.3%	31.5%	7.4%	-4.7%	9.3%		
year-over-year % change	133.8%	-28.4%	90.4%	21.7%	0.3%	35.3%	-9.0%	-15.6%	-4.2%	-3.3%	-4.4%
Water/Sewage	2.872	2.680	2.618	3.062	2.786	2.724	2.754	2.791	2.850	28.830	31.785
month-over-month % change	2.3%	-6.7%	-2.3%	-4.0%	-9.0%	-2.3%	-0.9%	1.3%	2.1%		
year-over-year % change	-9.0%	19.7%	37.3%	5.3%	3.6%	11.9%	0.6%	2.7%	6.9%	1.4%	10.2%
Misc Civil (Power, etc.)	1.284	1.304	1.127	2.398	1.455	1.238	1.986	1.985	1.940	21.384	21.940
month-over-month % change	-27.7%	1.5%	-13.5%	-5.5%	-39.3%	-14.9%	1.5%	0.0%	-2.3%		
year-over-year % change	37.1%	-0.3%	-32.5%	26.9%	-1.4%	-5.1%	-27.6%	-16.7%	-17.5%	-45.7%	2.6%
TOTAL ENGINEERING (Civil)	11.615	11.696	12.132	14.411	12.194	11.814	13.058	13.079	13.140	144.448	147.429
month-over-month % change	-12.5%	0.7%	3.7%	-7.0%	-15.4%	-3.1%	0.9%	0.2%	0.5%		
year-over-year % change	14.5%	2.2%	6.5%	14.9%	6.6%	7.4%	-6.5%	-3.0%	-2.2%	-16.2%	2.1%
GRAND TOTAL	65.526	56.346	57.674	67.311	62.695	59.849	62.475	62.024	61.851	655.693	692.431
month-over-month % change	-1.0%	-14.0%	2.4%	-3.6%	-6.9%	-4.5%	1.2%	-0.7%	-0.3%		
year-over-year % change	15.2%	-8.8%	-3.5%	10.5%	2.8%	0.7%	2.0%	2.8%	3.3%	-14.5%	5.6%
NON-RES BLDG + ENGINEERING	***39.083***	***29.915***	***30.436***	***37.779***	***34.651***	***33.145***	***33.535***	***33.383***	***33.162***	***379.984***	***373.876***
month-over-month % change	***11.8%***	***-23.5%***	***1.7%***	***-0.4%***	***-8.3%***	***-4.3%***	***2.6%***	***-0.5%***	***-0.7%***		
year-over-year % change	***35.0%***	***-5.8%***	***-8.0%***	***13.5%***	***6.2%***	***6.0%***	***-8.2%***	***-6.0%***	***-4.9%***	***-23.0%***	***-1.6%***

Source: ConstructConnect/Table: ConstructConnect.