

February 2022 (based on January 2022 Starts Stats)

Construction Industry Snapshot



January's Nonresidential Construction Starts -5% Y/Y, but +12% M/M

ConstructConnect announced today that January 2022's volume of construction starts, excluding residential work, was \$29.2 billion. The latest month's nonresidential dollar volume was -4.5% versus the same month of the previous year, January 2021. On the positive side, though, January 2022 was +11.5% compared with its preceding month, December 2021.

The +11.5% m/m runs counter to seasonality (i.e., colder winter weather) which usually acts to restrain groundbreakings.



Comparison	Commercial	Retail	Private Office	Hotel & Motel	Industrial	Institutional	Schools	Hospitals & Clinics	Heavy Engineering	Total Non-Residential
Jan 2022 vs Dec 2021	-35%	+130%	+24%	+72%	+184%	-13%	+36%	-40%	+64%	+12%
Jan 2022 vs Jan 2021	-12%	+9%	-21%	+35%	+5%	-13%	+17%	-44%	+2%	-5%
Jan 2021 vs Jan 2020	-50%	-16%	-50%	-73%	+22%	-16%	-12%	-13%	+13%	-16%

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Engineering Mega Projects Take Center Stage

ConstructConnect announced today that January 2022's volume of construction starts, excluding residential work, was \$29.2 billion. The latest month's nonresidential dollar volume was -4.5% versus the same month of the previous year, January 2021. On the positive side, though, January 2022 was +11.5% compared with its preceding month, December 2021.

The +11.5% m/m runs counter to seasonality (i.e., colder winter weather) which usually acts to restrain groundbreakings. One mega-sized engineering project made the difference, the South Fork wind farm (to generate electric power) in Suffolk County, New York, for \$2 billion.

Interestingly, January of 2021 also included a mega-sized power project, but a transmission line in Maine for \$1.0 billion. In the first month of last year, there was also a startup on another engineering project, Enbridge's Line 3 pipeline work for \$2.6 billion.

If those three notably impressive mega projects are netted out of the January 2022 and January 2021 starts results, then the non-mega starts volumes become almost even (\$27.2 billion this year vs \$27.0 billion last year), rather than -4.5%.

GRAND TOTAL starts in January 2022 (i.e., including residential activity) were -2.3% y/y, but +5.8% m/m.

Regular readers of this Industry Snapshot will know there's usually commentary on year-to-date results. It may be stating the obvious, but it's worth flagging nonetheless that January (i.e., the first month of the year) and year-to-date results are one and the same. Year to date only takes on meaning from February on.

A Shaky Beginning for Nonres Building Starts

There are three major sub-categories of total starts: residential, nonresidential building and heavy engineering/civil. On a year-over-year basis in January 2022, engineering starts were strongest at +2.0%; residential building starts were minimally ahead, +0.4%; and nonresidential building starts were wobbly at -9.9%.

On a month-to-month basis in January 2022, the engineering starts sub-category cast a bright light, +63.7%; residential flickered with little moderation, -0.6%; and the switch controlling nonresidential building was dimmed, -14.7%.

Progressive Steady Gains in Y/Y 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 January 2022 on a month-to-month basis were -0.2%, which was a mild deterioration from the no change (0.0%) performances that occurred in December 2021 and November 2021.

On a year-over-year basis in January 2022, GT TTM starts were +7.3%, an improvement over December 2021's figure of +6.7%. In turn, the +6.7% was a step up from November 2021's +4.8%. The progressive steady gains in y/y results from one month to the next suggest a contracting marketplace that is responding to a generally warmer economic climate, with a downscaling of the pandemic (keeping all fingers and toes crossed) more clearly on the horizon.

Profound (Temporary?) Shift in PIP Res vs Nonres Stats

'Starts' compile the total estimated dollar value and square footage of all projects on which ground is broken in any given month. They lead, by nine months to as much as two years, put-in-place (PIP) statistics from the Census Bureau 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 tradition-

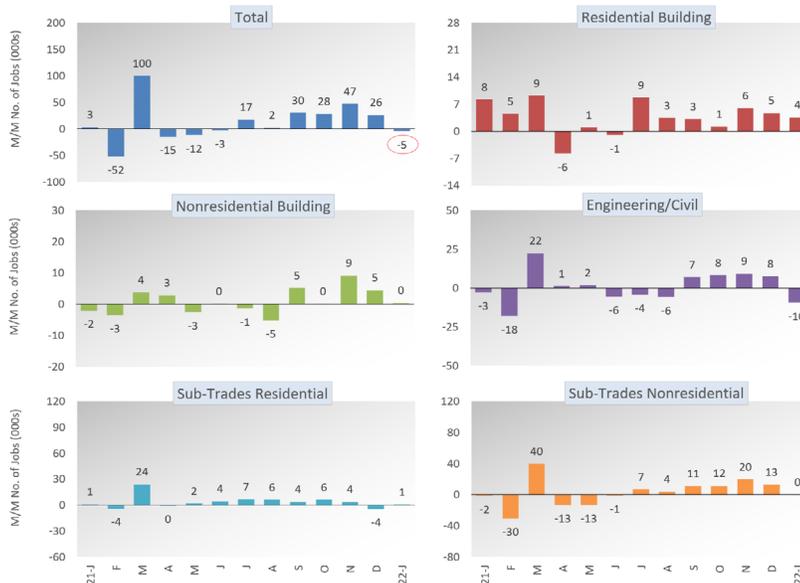
TABLE 1: VALUE OF UNITED STATES NONRESIDENTIAL CONSTRUCTION STARTS — JANUARY 2022 (ConstructConnect®)

	Previous Annual		Latest Month		
	2021 (\$ billions)	% Change (21 vs 20)	Jan 2022 (\$ billions)	% Change Jan 22 vs Jan 21	% Change Jan 22 vs Dec 21
Hotel/Motel	6.708	-34.2%	0.553	35.3%	72.4%
Retail/Shopping	12.647	3.0%	1.100	9.3%	130.0%
Parking Garage	1.698	-2.4%	0.210	-8.0%	105.8%
Amusement	6.410	1.7%	0.290	-30.9%	-11.8%
Private Office	18.572	-28.3%	1.129	-21.0%	24.3%
Government Office	11.888	11.5%	0.697	18.3%	-16.9%
Laboratory	2.278	-3.1%	0.060	-18.1%	-44.3%
Warehouse	26.033	-0.7%	1.170	-28.6%	12.5%
Misc. Commercial *	14.539	111.4%	0.128	-55.0%	-96.9%
COMMERCIAL (big subset)	100.773	-1.7%	5.339	-12.2%	-35.3%
INDUSTRIAL (Manufacturing)	31.478	44.8%	1.896	5.3%	183.7%
Religious	0.980	-39.6%	0.116	100.7%	281.1%
Hospital/Clinic	16.753	25.5%	0.593	-44.3%	-39.9%
Nursing/Assisted Living	5.769	-22.9%	0.130	-74.2%	-53.1%
Library/Museum	2.655	-30.3%	0.257	36.6%	-19.7%
Fire/Police/Courthouse/Prison	7.757	-4.0%	0.431	-53.7%	-43.1%
Military	10.367	12.6%	0.160	-81.0%	-90.9%
School/College	59.141	-12.4%	4.882	16.9%	36.4%
Miscellaneous Medical	6.936	-15.5%	0.560	29.7%	19.6%
INSTITUTIONAL	110.357	-7.5%	7.129	-13.0%	-12.8%
Misc. Non-residential	6.122	5.7%	0.538	14.8%	44.5%
NON-RES. BUILDING	248.731	-0.3%	14.902	-9.9%	-14.7%
Airport	5.220	-13.4%	0.262	102.6%	1.1%
Road/Highway	67.550	6.1%	5.487	52.8%	56.5%
Bridge	18.021	-20.8%	2.278	8.8%	134.4%
Dam/Marine	8.534	3.0%	0.630	36.5%	-37.8%
Water/Sewage	34.066	9.0%	2.965	-2.5%	27.3%
Miscellaneous Civil (power, etc.)	22.821	0.4%	2.725	-42.7%	298.4%
HEAVY ENGINEERING (Civil)	156.212	1.0%	14.347	2.0%	63.7%
TOTAL	404.943	0.2%	29.249	-4.5%	11.5%

* 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 — JANUARY 2022



While the U.S. economy as a whole recorded a +467,000 gain in total number of jobs in January 2022, the construction sector as a subset moved in the opposite direction, reducing its employee payroll count by -5,000 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.

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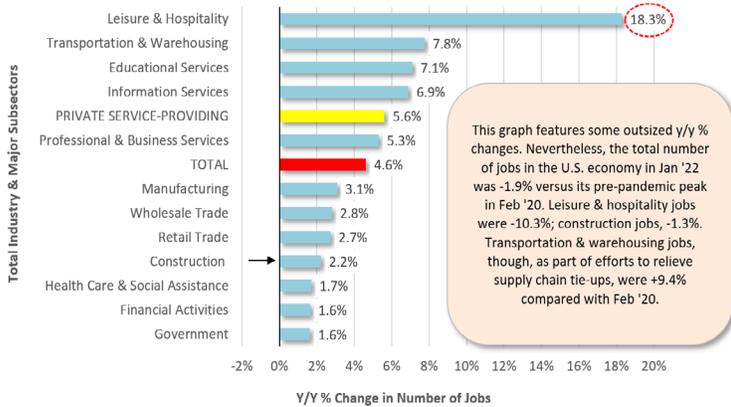
ally making up two-fifths (about 40%) of the total and nonresidential, three-fifths (i.e., the bigger portion, at around 60%). Over the past year, though, the mix has undergone a profound shift. In 2021's full year PIP results, the residential to nonresidential relationship was approximately half and half, with the former being 49.3% of total and the latter, 50.7%. In December on its own, on a not seasonally adjusted (NSA) basis, it was residential 48.3% and nonresidential, 51.7%. (Nonresidential is nonresidential buildings plus engineering).

For full year 2021 versus full year 2020, the total dollar volume of PIP construction was +8.2% y/y, with residential being +22.9% and non-residential, -3.1%. In 2022, the expectation is that the relative boom in residential activity will gradually be superseded by an upswell of non-residential activity.

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.

Continued on page 4

GRAPH 3: Y/Y JOBS CHANGE, U.S. TOTAL INDUSTRY & MAJOR SUBSECTORS — JANUARY 2022 (BASED ON SEASONALLY ADJUSTED PAYROLL DATA)

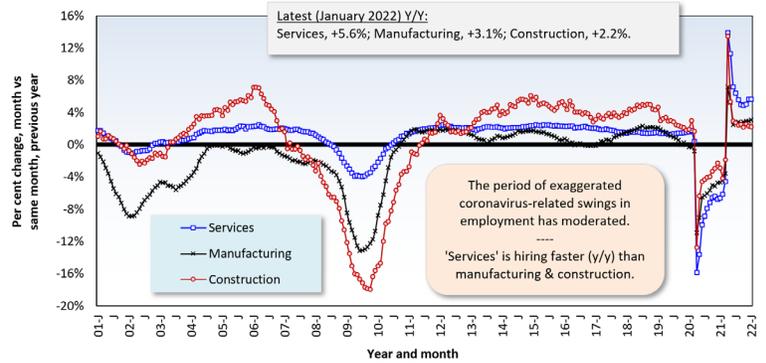


This graph features some outsized y/y % changes. Nevertheless, the total number of jobs in the U.S. economy in Jan '22 was -1.9% versus its pre-pandemic peak in Feb '20. Leisure & hospitality jobs were -10.3%; construction jobs, -1.3%. Transportation & warehousing jobs, though, as part of efforts to relieve supply chain tie-ups, were +9.4% compared with Feb '20.

Jan 2022's y/y changes in employment within the pandemic's initially hardest-hit sector, 'leisure & hospitality', were: 'hotels/motels', +25.9%; 'amusements/gambling', +22.9%; and 'restaurants & bars', +16.0%.

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

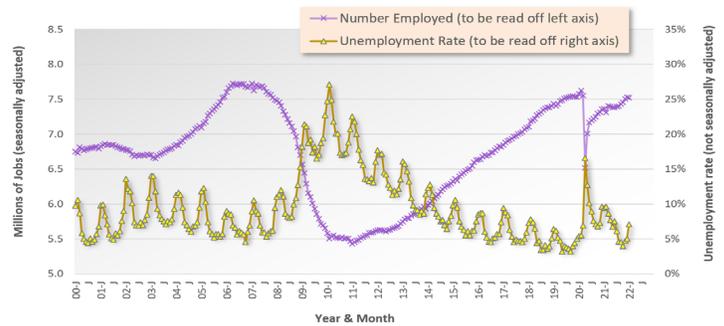
GRAPH 2: U.S. EMPLOYMENT JANUARY 2022 — % CHANGE Y/Y BASED ON SEASONALLY ADJUSTED (SA) DATA



The latest data points are for January, 2022.

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

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



The U.S. economy as a whole has now recovered 87% of its big jobs loss experienced from Feb-Apr 2020. Construction, as a subset, has done a little better with a jobs' clawback' ratio of 91%.

Current through January, 2022. 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 — JANUARY 2022

The Big Drop (revised data) April 2020 vs Feb 2020 (Feb 2020 was last month unaffected by COVID-19)	Change in Number of Jobs (Millions)		% Change		Jobs Recovery Since Apr 2020, Millions	
	Jan 2022 vs Feb 2020 (Feb 2020 was last month unaffected by COVID-19)	Jan 2022 vs Dec 2021 (i.e., vs previous month)	Jan 2022 vs Feb 2020 (Feb 2020 was last month unaffected by COVID-19)	Jan 2022 vs Dec 2021 (i.e., vs previous month)	Recovery Since Apr 2020, Millions	Claw Back Ratio
Millions						
-21.991 -14.4%	Grand Total	-2.875 0.467	-1.9%	0.3%	19.116	86.9%
-18.475 -17.0%	Private Services-Providing	-1.709 0.440	-1.6%	0.4%	16.766	90.7%
-1.362 -10.7%	Manufacturing	-0.226 0.013	-1.8%	0.1%	1.136	83.4%
-1.108 -14.5%	Construction	-0.101 -0.005	-1.3%	-0.1%	1.007	90.9%
-2.245 -14.4%	Retail Trade	0.061 0.061	0.4%	0.4%	2.306	102.7%
-0.506 -8.7%	Transportation & Warehouse	0.542 0.054	9.4%	0.9%	1.048	207.1%
-0.280 -3.2%	Financial Activities	0.005 0.009	0.1%	0.1%	0.285	101.8%
-2.302 -10.8%	Professional & Business	0.511 0.086	2.4%	0.4%	2.813	122.2%
-0.261 -9.0%	Information Services	0.031 0.018	1.1%	0.6%	0.292	111.9%
-2.839 -11.5%	Education and Health	-0.645 0.029	-2.6%	0.1%	2.194	77.3%
-8.203 -48.3%	Leisure & Hospitality	-1.750 0.151	-10.3%	1.0%	6.453	78.7%
-0.975 -4.3%	Government	-0.735 0.023	-3.2%	0.1%	0.240	24.6%

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

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Growth Rate in Construction Jobs Slower than in 'All Jobs'

The U.S. economy's average month-to-month increase in its total jobs count since January 2021 (13 months ago) has been truly impressive at more than half a million (+549,000). The construction sector, as a subset of 'total', has not shared in this bounty. Construction's month-to-month average employment gain over the same period has been only +13,000 jobs.

In January, as total employment in the whole economy swelled by +467,000 jobs, construction saw a contraction of -5,000 jobs. The not seasonally adjusted (NSA) unemployment rate for 'all jobs' in the latest month was 4.4%. That's only about a percentage point above the lowest figure to which the NSA unemployment rate is ever likely to descend. Construction's NSA unemployment rate in January 2022 was 7.1%, up from 5.0% in December, but an improvement vs January 2021's 9.4%. Prior to the pandemic, in both May and September 2019, the U.S. construction sector managed a pleasingly low NSA U rate of just 3.2%.

The total U.S. jobs count was +4.6% y/y in January 2022. Construction's y/y jobs climb was less than half as fast, +2.2%. The most recent y/y jobs gains in other corners of the economy with close ties to the building sector have been: +8.3% for machinery and equipment rental; +6.0% for architectural and engineering services; +4.2% for both real estate firms and oil and gas extraction; +1.1% for cement and concrete product manufacturing; and -5.0% for building material and supplies dealers.

As an interesting aside, the 'building material and supplies dealers' designation is one aspect of bricks and mortar retail that has not experienced mass abandonment in favor of purchases made over the Internet. One reason has been the key logistics role played by such outlets in supplying the needs of local contractors and do-it-yourselfers.

Pluses and Minuses among the Type of Structure Sub-categories

January 2022's +11.5% month-to-month (m/m) jump in total nonresidential starts owed its vitality to strength in industrial (+183.7%) and heavy engineering/civil (+63.7%) starts. Institutional (-12.8%) and commercial (-35.3%) were of a different mind.

The -4.5% performance of total nonresidential starts in January of this year versus January of last year (y/y) resulted from declines of nearly equal magnitude in institutional (-13.0%) and commercial (-12.2%) that were not offset by the pickups in industrial (+5.3%) and heavy engineering/civil (+2.0%).

There are two dominant sub-categories of total nonresidential starts. When the volumes of 'roads/highways' and 'schools/colleges' are added together, they accounted for more than one-third of total nonresidential activity in January 2022 (i.e., shares of 18.8% and 16.7% respectively, summing to 35.5%).

The two percentage-change metrics for street starts in January 2022 were +56.5% m/m and +52.8% y/y. For school starts, the results may not have been as bullish, but they were still upbeat, +36.4% m/m and +16.9% y/y. On a y/y basis, K-12 school starts in January were +29.7%, whereas college and university ground breakings languished, at -7.6%.

Accounting for a fifth of engineering starts, the 'water/sewage' sub-category in January was +27.3% m/m, but -2.5% y/y. Everyone is waiting for the first wave of Infrastructure and Investment Jobs Act (IIJA) money to appear on the scene.

Miscellaneous civil starts in January of this year were +298.4% m/m, but -42.7% y/y. The \$2 billion electric power wind farm project this year helped with the m/m comparison. In the y/y standoff, however, this year's mega project was overwhelmed by the \$3.6 billion in power transmission line plus pipeline work launched in January of last year.

For the three medical sub-categories combined - i.e., 'hos-

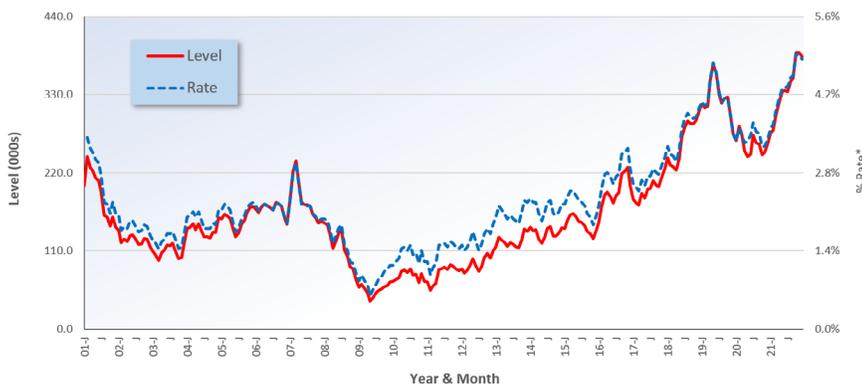
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TABLE 3: CONSTRUCTION STARTS IN SOME ADDITIONAL TYPE OF STRUCTURE SUB-CATEGORIES — ConstructConnect®

	January 2022 (\$ billions)	% Change vs January 2021
Sports Stadiums/Convention Centers	\$0.050	-78.4%
Transportation Terminals	\$0.078	51.4%
Courthouses	\$0.122	-64.5%
Police Stations & Fire Halls	\$0.252	-26.3%
Prisons	\$0.057	-76.6%
Pre-School/Elementary	\$1.336	14.1%
Junior & Senior High Schools	\$2.206	41.5%
K-12 (sum of above two categories)	\$3.542	29.7%
Special & Vocational Schools	\$0.117	-3.6%
Colleges & Universities	\$1.223	-7.6%
Electric Power Infrastructure	\$2.058	75.4%

Source: ConstructConnect/Table: ConstructConnect.

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

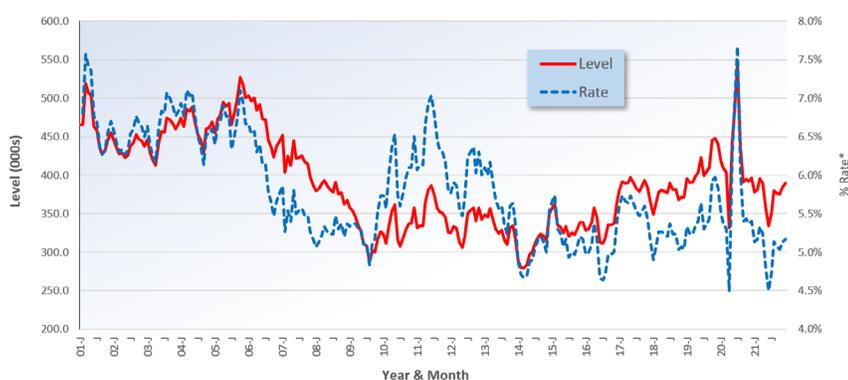


After severe declines in 2020, construction job 'openings' as both a level and a rate have become quite elevated once again. There has not been a corresponding increase in 'hirings'.

*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 December 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)



While job 'openings' in construction are at record highs as a level and rate, acquiring 'new hires' is proving to be frustrating and disappointing. Efforts to beef up signing packages are continuing.

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

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

Continued from page 4

pital/clinic', 'nursing/assisted living' and 'miscellaneous medical' - January 2022's starts were -26.0% m/m and -35.8% y/y. 'Hospital/clinic' starts alone were -39.9% m/m and -44.3% y/y. One month doesn't necessarily speak volumes concerning the full year to come. Nevertheless, January wasn't an auspicious beginning to 2022 for new health care construction activity.

Among commercial starts in January, the 'hotel/motel' and 'retail/shopping' sub-categories stood out for their positivity. The former was +72.4% m/m and +35.3% y/y; the latter, +130.0% m/m and +9.3% y/y.

The dollar volume of private office building starts in the latest month was +24.3% m/m, but -21.0% y/y. Warehouse starts were similarly ahead m/m, +12.5%, but behind y/y, -28.6% y/y.

JOLTS a Clear Source of Frustration for Contractors

For ease of viewing, Graphs 5 and 6 show 'smoothed' curves (i.e., based on three-month moving averages) for the Job Openings and Labor Turnover Survey (JOLTS) results pertaining to vacant positions and hires.

Simply eyeballing the two graphs reveals a great source of frustration for contractors. Job openings in the sector, whether measured as a level or a rate, are currently as high as they have ever been. But there has been limited success in enticing potential workers to come on board in the sector. 'Hires', as a level and a rate, aren't far above their all-time floors.

Trend Graphs Stuck on Middle Ground

Page 9 of this Industry Snapshot showcases a dozen type-of-structure trend curves. The trends are captured by taking 12-month moving averages of ConstructConnect's starts statistics.

The slopes in most instances have moved onto even plains. The steep drops of the early pandemic days are largely in the past. Sharp climbs, however, are not yet being realized.

Most noticeable concerning the latest month or two, are the ongoing descent for 'miscellaneous civil'; the leveling off for 'schools/colleges'; and the upward momentum being maintained for 'roads/highways'. 'Private office buildings' in January 2022 moved sideways.

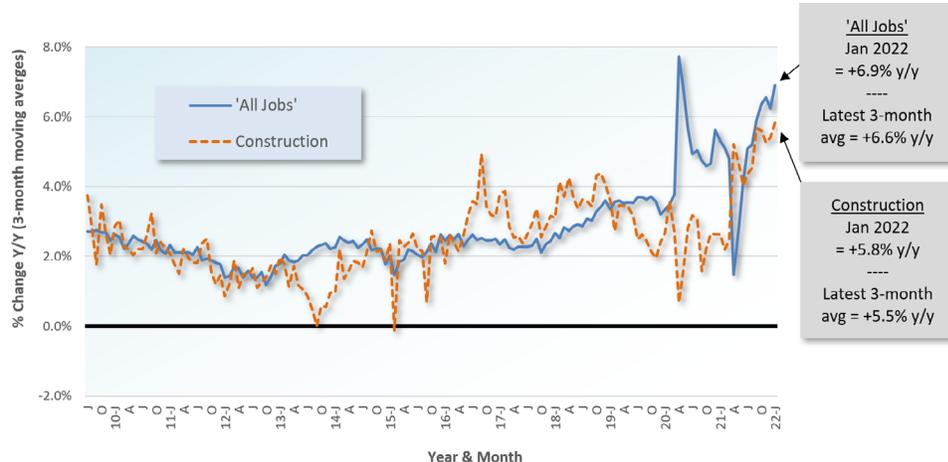
Wage Hikes Spike to +6.9% Y/Y

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 January 2022's Table B-3 (including bosses), 'all jobs' earnings were +5.7% hourly and +4.2% weekly. Construction workers, encompassed within 'all jobs', weren't quite as richly rewarded, at +5.1% hourly and +3.8% weekly. But it was in January's Table B-8 for production and non-supervisory workers (i.e., excluding bosses) where the truly shocking compensation advances were revealed, +6.9% hourly and +5.4% weekly for 'all jobs'. Construction workers as a subset of 'all jobs' in the latest month earned +5.8% y/y hourly and +4.8% y/y weekly.

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



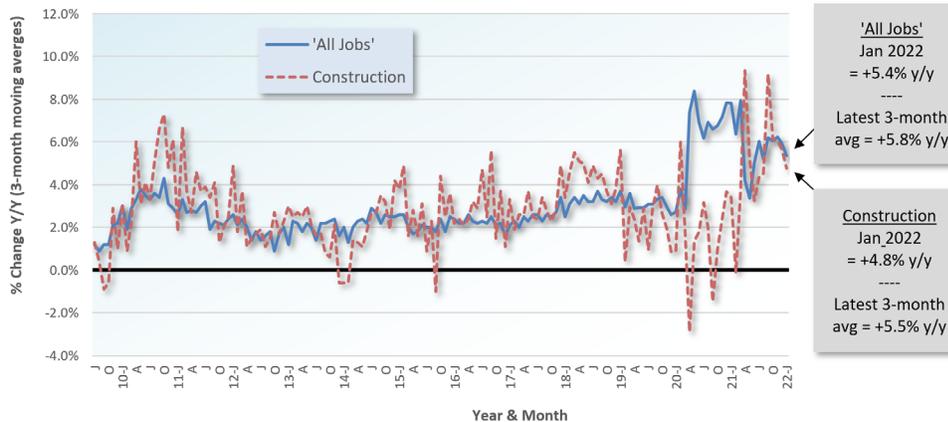
Hourly wage increases for construction workers and for 'all jobs' have now moved near +6.0% y/y and higher. The average annual increase for 'construction workers' from 2010 to 2019 was +2.3%; for 'all jobs' over the same period, +2.4% .

From 'Production Workers and Non-supervisory Personnel' Table (B8).

The latest data points are for January, 2022.

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 a revised +9.3% y/y in April, 2021. They've since decelerated, but are still 'hot' at +4.8% y/y. The NSA unemployment rate in construction is presently 7.1%. The 'all jobs' NSA U rate is 4.4%.

From 'Production Workers and Non-supervisory Personnel' Table (B8).

The latest data points are for January, 2022.

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

Continued from page 5

Bid Price Increase Chasing Input Cost Increases

January’s y/y results for three building related BLS Producer Price Index (PPI) series were as follows: (A) ‘construction materials special index’, +34.1% (little changed from December’s +34.9%); (B) ‘inputs to new construction index, excluding capital investment, labor, and imports’, +18.7% (again, only a slight downshift from the previous month’s +18.8%); and (C) ‘final demand construction’, designed to capture bid prices, +16.1% (a sharp rise from December’s +12.3%).

(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, hot rolled steel bars, plates, and structural shapes in the latest month were +59.2% y/y; asphalt, +46.7%; aluminum sheet and strip, +34.6%; gypsum, +23.0%; softwood lumber, +20.1%; copper wire and cable, +17.5%; ready-mix concrete, +9.1%; and cement, +8.9%.

The value of construction starts each month is derived from ConstructConnect’s database of all active construction projects in the U.S. Missing project values are estimated with the help of RSMeans’ building cost models. ConstructConnect’s non-residential construction starts series, because it is comprised of total-value estimates for individual projects, some of which are super-large, has a history of being more volatile than many other leading indicators for the economy.

January 2022’s ‘Grand Total’ Starts -2.3% Y/Y; +5.8% M/M

From Table 10 on page 11 of this report, ConstructConnect’s total residential starts in January 2022 were -0.6% m/m, but +0.4% y/y. Multi-family starts in January were +23.5% m/m and +8.2% y/y. Single-family starts were -7.3% m/m and -2.2% y/y.

Including home building with all nonresidential categories, Grand Total starts in January 2022 were +5.8% m/m, although -2.3% y/y.

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.

Alex Carrick

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: 2022 YTD RANKING OF TOP 20 STATES BY \$ VOLUME OF NONRESIDENTIAL CONSTRUCTION STARTS — ConstructConnect®

	January 2022	% Change vs January 2021
1 Texas	\$4,202,363,911	-1.2%
2 New York	\$3,259,593,274	185.4%
3 California	\$2,262,497,350	-18.4%
4 Florida	\$1,399,156,684	-22.9%
5 Louisiana	\$1,367,275,387	254.3%
6 Missouri	\$1,035,487,317	99.4%
7 South Carolina	\$856,424,858	79.4%
8 Illinois	\$848,567,819	33.3%
9 North Carolina	\$838,727,369	8.2%
10 Washington	\$743,008,736	74.0%
11 Virginia	\$724,223,452	-13.4%
12 Georgia	\$706,191,394	-52.9%
13 Tennessee	\$682,454,387	-19.7%
14 Wisconsin	\$658,390,929	43.4%
15 Pennsylvania	\$650,510,152	-14.9%
16 Ohio	\$614,057,310	-52.8%
17 Arizona	\$575,567,149	16.4%
18 Maryland	\$555,444,271	123.5%
19 Oklahoma	\$520,728,535	37.3%
20 Michigan	\$516,536,214	1.2%

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

TABLE 5: 2022 YTD RANKING OF TOP 20 STATES BY \$ VOLUME OF NONRESIDENTIAL BUILDING CONSTRUCTION STARTS — ConstructConnect®

	January 2022	% Change vs January 2021
1 Texas	\$2,009,256,859	-21.0%
2 California	\$1,374,196,002	-4.7%
3 Louisiana	\$1,135,121,185	360.5%
4 New York	\$893,258,619	9.2%
5 Florida	\$731,578,610	-29.3%
6 Tennessee	\$468,680,557	-36.3%
7 Arizona	\$458,956,124	41.8%
8 Georgia	\$448,368,438	-55.2%
9 North Carolina	\$430,448,585	-25.6%
10 Oregon	\$408,273,378	102.4%
11 Wisconsin	\$405,106,235	75.5%
12 Missouri	\$402,164,748	1.0%
13 Illinois	\$399,462,275	-0.5%
14 Virginia	\$389,004,113	-39.7%
15 Maryland	\$366,205,506	107.2%
16 Utah	\$364,451,285	93.2%
17 Michigan	\$356,673,232	-9.3%
18 South Carolina	\$334,290,813	1.0%
19 Ohio	\$332,633,656	-66.5%
20 Indiana	\$300,854,903	87.9%

TABLE 6: 2022 YTD RANKING OF TOP 20 STATES BY \$ VOLUME OF HEAVY ENGINEERING/CIVIL CONSTRUCTION STARTS — ConstructConnect®

	January 2022	% Change vs January 2021
1 New York	\$2,366,334,655	630.1%
2 Texas	\$2,193,107,052	28.4%
3 California	\$888,301,348	-33.3%
4 Florida	\$667,578,074	-14.3%
5 Missouri	\$633,322,569	423.6%
6 Washington	\$528,345,933	484.5%
7 South Carolina	\$522,134,045	256.9%
8 Illinois	\$449,105,544	91.1%
9 North Carolina	\$408,278,784	107.6%
10 Pennsylvania	\$374,842,863	246.6%
11 Kansas	\$358,892,202	371.6%
12 Virginia	\$335,219,339	75.5%
13 Oklahoma	\$322,003,392	25.3%
14 South Dakota	\$314,255,688	364.2%
15 Ohio	\$281,423,654	-8.3%
16 Georgia	\$257,822,956	-48.5%
17 Wisconsin	\$253,284,694	10.9%
18 Louisiana	\$232,154,202	66.5%
19 Alabama	\$226,165,465	82.4%
20 Minnesota	\$223,145,882	-91.7%

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 — JANUARY 2022
ARRANGED TO MATCH THE ALPHABETICAL CATEGORY DROP-DOWN MENUS IN INSIGHT

	Previous Annual		Latest Month		
	2021 (\$ billions)	% Change (21 vs 20)	Jan 2022 (\$ billions)	% Change Jan 22 vs Jan 21	% Change Jan 22 vs Dec 21
Summary					
CIVIL	156.212	1.0%	14.347	2.0%	63.7%
NON-RESIDENTIAL BUILDING	248.731	-0.3%	14.902	-9.9%	-14.7%
RESIDENTIAL	348.002	15.5%	23.578	0.4%	-0.6%
GRAND TOTAL	752.944	6.7%	52.827	-2.3%	5.8%
Verticals					
Airport	5.220	-13.4%	0.262	102.6%	1.1%
All Other Civil	14.004	-22.9%	0.667	-81.4%	8.5%
Bridges	18.021	-20.8%	2.278	8.8%	134.4%
Dams / Canals / Marine Work	8.534	3.0%	0.630	36.5%	-37.8%
Power Infrastructure	8.818	93.4%	2.058	75.4%	2851.7%
Roads	67.550	6.1%	5.487	52.8%	56.5%
Water and Sewage Treatment	34.066	9.0%	2.965	-2.5%	27.3%
CIVIL	156.212	1.0%	14.347	2.0%	63.7%
Offices (private)	18.572	-28.3%	1.129	-21.0%	24.3%
Parking Garages	1.698	-2.4%	0.210	-8.0%	105.8%
Transportation Terminals	9.262	292.3%	0.078	51.4%	-97.9%
Commercial (small subset)	29.533	-1.5%	1.417	-17.1%	-70.3%
Amusement	6.410	1.7%	0.290	-30.9%	-11.8%
Libraries / Museums	2.655	-30.3%	0.257	36.6%	-19.7%
Religious	0.980	-39.6%	0.116	100.7%	281.1%
Sports Arenas / Convention Centers	5.276	16.8%	0.050	-78.4%	-85.9%
Community	15.321	-5.7%	0.713	-20.7%	-31.2%
College / University	14.649	-18.3%	1.223	-7.6%	73.6%
Elementary / Pre School	15.580	-21.4%	1.336	14.1%	55.4%
Jr / Sr High School	26.943	-3.2%	2.206	41.5%	24.6%
Special / Vocational	1.968	0.7%	0.117	-3.6%	-51.9%
Educational	59.141	-12.4%	4.882	16.9%	36.4%
Courthouses	2.494	4.9%	0.122	-64.5%	-73.4%
Fire and Police Stations	3.004	-9.3%	0.252	-26.3%	44.0%
Government Offices	11.888	11.5%	0.697	18.3%	-16.9%
Prisons	2.260	-5.4%	0.057	-76.6%	-53.6%
Government	19.645	4.8%	1.129	-25.8%	-29.3%
Industrial Labs / Labs / School Labs	2.278	-3.1%	0.060	-18.1%	-44.3%
Manufacturing	31.478	44.8%	1.896	5.3%	183.7%
Warehouses	26.033	-0.7%	1.170	-28.6%	12.5%
Industrial	59.789	18.8%	3.127	-11.0%	72.0%
Hospitals / Clinics	16.753	25.5%	0.593	-44.3%	-39.9%
Medical Misc.	6.936	-15.5%	0.560	29.7%	19.6%
Nursing Homes	5.769	-22.9%	0.130	-74.2%	-53.1%
Medical	29.457	1.4%	1.283	-35.9%	-26.0%
Military	10.367	12.6%	0.160	-81.0%	-90.9%
Hotels	6.708	-34.2%	0.553	35.3%	72.4%
Retail Misc.	6.122	5.7%	0.538	14.8%	44.5%
Shopping	12.647	3.0%	1.100	9.3%	130.0%
Retail	25.477	-9.9%	2.192	16.3%	87.0%
NON-RESIDENTIAL BUILDING	248.731	-0.3%	14.902	-9.9%	-14.7%
Multi-Family	91.947	11.9%	6.386	8.2%	23.5%
Single-Family	256.055	16.8%	17.192	-2.2%	-7.3%
RESIDENTIAL	348.002	15.5%	23.578	0.4%	-0.6%
NON-RESIDENTIAL	404.943	0.2%	29.249	-4.5%	11.5%
GRAND TOTAL	752.944	6.7%	52.827	-2.3%	5.8%

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 JANUARY 2022

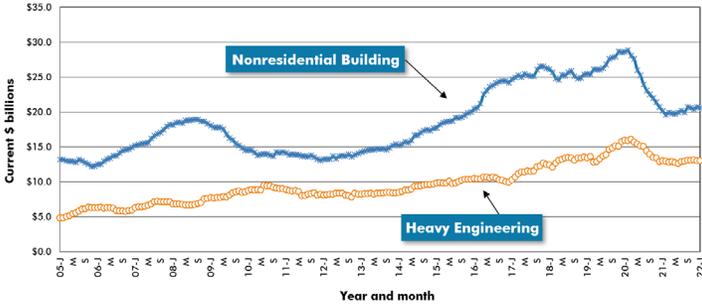
LOCATION (EAST TO WEST)	TYPE OF CONSTRUCTION	DESCRIPTION	SQUARE FEET 000S*	DOLLARS 000,000S
New York East Hampton	Civil/Engineering	South Fork Wind Farm (2 structures) Suffolk County Orsted North America Inc	*	\$2,000
Virginia Arlington	Residential	Hazel & Azure at National Landing (4 structures; 25 stories; 488 units) Crystal Dr & 29th St ZOM Mid-Atlantic Inc.	527	\$200
North Carolina Wilmington	Residential	Carroll at the Avenue (6 structures; 756 units) Military Cutoff Rd & W Westwood Rd Carroll Companies	600	\$200
South Carolina Columbia	Civil/Engineering	Interstate 26 Widening MM 85-101 (2 structures) I-26 South Carolina Department of Transportation (SCDOT)	*	\$421
Illinois Hinsdale	Civil/Engineering	Roadway and Bridge Reconstruction (4 structures) I-294 Illinois State Toll Highway Authority	*	\$200
Missouri Boonville	Civil/Engineering	RFP D/B - Replacement of Missouri River Bridge near Rocheport (4 structures) I-70 Missouri Department of Transportation (MoDOT) - Central Office	*	\$235
Louisiana Geismar	Industrial	Geismar Renewable Diesel Plant Expansion (1 structure) 36187 Louisiana 30 W Renewable Energy Group	*	\$950
Kansas Kansas City	Civil/Engineering	Kansas City Levees, Argentine, Armourdale and Central Industrial District Levee and Floodwall Raises (1 structure) Wyandotte County U.S. Army Corps of Engineers - Kansas City District	*	\$258
Washington Seattle	Civil/Engineering	RFQ D/B - SR 509 Completion - Stage 1b (2 structures) WA-509 Washington State Department of Transportation (WSDOT)	*	\$264
Oregon Portland	Institutional	OHSU Hospital Expansion (1 structure; 15 stories) 3181 SW Sam Jackson Park Rd Oregon Health & Science University (OHSU)	526	\$250
TOTALS:			1,653	\$4,978

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

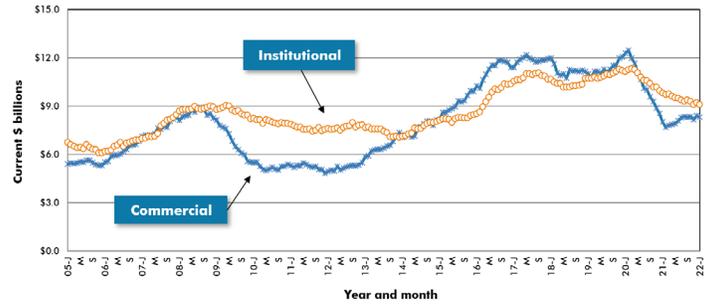
Source: ConstructConnect/Table: ConstructConnect.

Trend graphs for 12 key categories

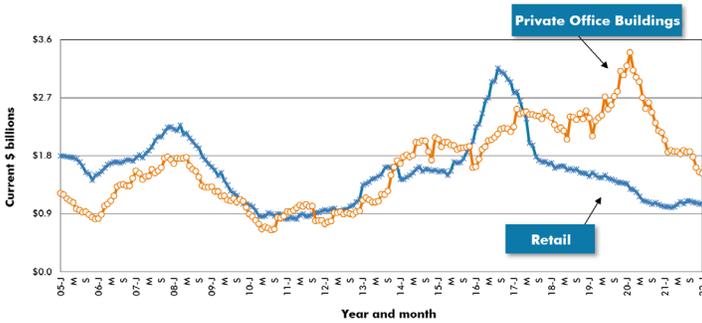
GRAPH 9: U.S. NONRESIDENTIAL CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



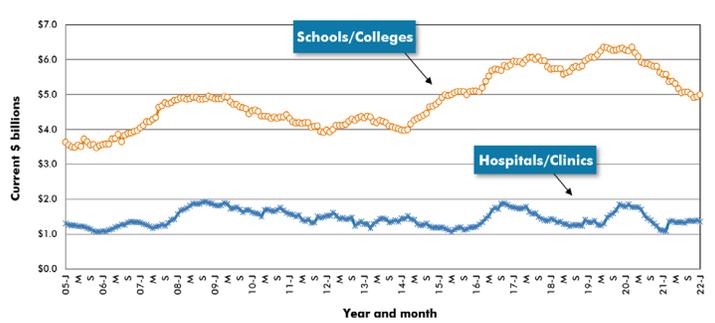
GRAPH 10: U.S. COMMERCIAL AND INSTITUTIONAL CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



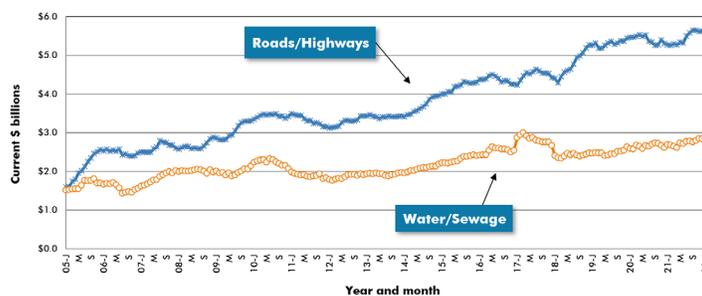
GRAPH 11: U.S. RETAIL AND PRIVATE OFFICE BUILDING CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



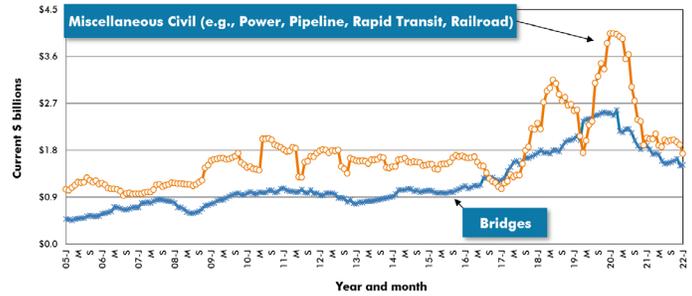
GRAPH 12: U.S. HOSPITAL/CLINIC AND SCHOOL/COLLEGE CONSTRUCTION STARTS — ConstructConnect® (12-MONTH MOVING AVERAGES)



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 January, 2022.

Source: ConstructConnect/Charts: ConstructConnect.

Regional starts table

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

	January 2021	January 2022	% Change
Connecticut	\$83,009,445	\$100,051,990	20.5%
Maine	\$1,190,865,552	\$127,890,416	-89.3%
Massachusetts	\$393,013,145	\$394,294,958	0.3%
New Hampshire	\$71,817,443	\$83,848,561	16.8%
Rhode Island	\$273,025,025	\$48,660,787	-82.2%
Vermont	\$23,934,117	\$12,391,034	-48.2%
Total New England	\$2,035,664,727	\$767,137,746	-62.3%
New Jersey	\$310,243,565	\$328,777,339	6.0%
New York	\$1,141,939,707	\$3,259,593,274	185.4%
Pennsylvania	\$764,376,216	\$650,510,152	-14.9%
Total Middle Atlantic	\$2,216,559,488	\$4,238,880,765	91.2%
TOTAL NORTHEAST	\$4,252,224,215	\$5,006,018,511	17.7%
Illinois	\$636,444,821	\$848,567,819	33.3%
Indiana	\$770,786,990	\$504,375,346	-34.6%
Michigan	\$510,405,314	\$516,536,214	1.2%
Ohio	\$1,301,051,454	\$614,057,310	-52.8%
Wisconsin	\$459,172,577	\$658,390,929	43.4%
Total East North Central	\$3,677,861,156	\$3,141,927,618	-14.6%
Iowa	\$304,160,393	\$140,709,983	-53.7%
Kansas	\$187,850,605	\$452,153,406	140.7%
Minnesota	\$2,755,821,122	\$315,396,821	-88.6%
Missouri	\$519,179,898	\$1,035,487,317	99.4%
Nebraska	\$292,485,093	\$141,844,495	-51.5%
North Dakota	\$319,210,411	\$128,081,161	-59.9%
South Dakota	\$108,757,723	\$382,309,490	251.5%
Total West North Central	\$4,487,465,245	\$2,595,982,673	-42.2%
TOTAL MIDWEST	\$8,165,326,401	\$5,737,910,291	-29.7%
Delaware	\$9,109,478	\$28,494,337	212.8%
District of Columbia	\$16,733,914	\$85,676,526	412.0%
Florida	\$1,813,945,731	\$1,399,156,684	-22.9%
Georgia	\$1,500,469,206	\$706,191,394	-52.9%
Maryland	\$248,471,459	\$555,444,271	123.5%
North Carolina	\$774,987,789	\$838,727,369	8.2%
South Carolina	\$477,250,700	\$856,424,858	79.4%
Virginia	\$836,501,795	\$724,223,452	-13.4%
West Virginia	\$40,525,443	\$130,662,986	222.4%
Total South Atlantic	\$5,717,995,515	\$5,325,001,877	-6.9%
Alabama	\$413,511,237	\$400,575,122	-3.1%
Kentucky	\$473,142,826	\$239,979,629	-49.3%
Mississippi	\$94,176,804	\$149,214,705	58.4%
Tennessee	\$849,355,923	\$682,454,387	-19.7%
Total East South Central	\$1,830,186,790	\$1,472,223,843	-19.6%
Arkansas	\$174,804,007	\$109,834,999	-37.2%
Louisiana	\$385,955,172	\$1,367,275,387	254.3%
Oklahoma	\$379,244,994	\$520,728,535	37.3%
Texas	\$4,252,340,506	\$4,202,363,911	-1.2%
Total West South Central	\$5,192,344,679	\$6,200,202,832	19.4%
TOTAL SOUTH	\$12,740,526,984	\$12,997,428,552	2.0%
Arizona	\$494,299,860	\$575,567,149	16.4%
Colorado	\$363,097,759	\$322,231,417	-11.3%
Idaho	\$59,353,412	\$141,740,929	138.8%
Montana	\$31,853,744	\$95,614,817	200.2%
Nevada	\$187,043,600	\$171,748,674	-8.2%
New Mexico	\$286,018,595	\$110,522,450	-61.4%
Utah	\$281,284,057	\$420,121,221	49.4%
Wyoming	\$67,329,858	\$82,954,724	23.2%
Total Mountain	\$1,770,280,885	\$1,920,501,381	8.5%
Alaska	\$38,622,923	\$47,836,600	23.9%
California	\$2,773,536,336	\$2,262,497,350	-18.4%
Hawaii	\$112,871,228	\$54,547,262	-51.7%
Oregon	\$333,529,612	\$478,831,744	43.6%
Washington	\$426,953,105	\$743,008,736	74.0%
Total Pacific	\$3,685,513,204	\$3,586,721,692	-2.7%
TOTAL WEST	\$5,455,794,089	\$5,507,223,073	0.9%
TOTAL U.S.	\$30,613,871,689	\$29,248,580,427	-4.5%

*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 — JANUARY 2022 — ConstructConnect®
BILLIONS OF CURRENT \$\$, NOT SEASONALLY ADJUSTED (NSA)

	Latest month actuals			Moving averages (placed in end month)						Year to Date	
	Nov 21	Dec 21	Jan 22	Nov 21	Dec 21	Jan 22	Nov 21	Dec 21	Jan 22	January 2021	January 2022
Single Family	20.307	18.541	17.192	20.790	19.859	18.680	21.456	21.338	21.306	17.574	17.192
month-over-month % change	-2.0%	-8.7%	-7.3%	-3.3%	-4.5%	-5.9%	0.4%	-0.6%	-0.1%		
year-over-year % change	5.1%	-7.1%	-2.2%	-0.2%	-2.9%	-1.4%	19.8%	16.8%	15.3%	15.6%	-2.2%
Apartment	8.594	5.172	6.386	7.074	6.813	6.717	7.711	7.662	7.702	5.904	6.386
month-over-month % change	28.8%	-39.8%	23.5%	-4.0%	-3.7%	-1.4%	1.4%	-0.6%	0.5%		
year-over-year % change	17.1%	-10.1%	8.2%	-3.9%	-2.8%	6.1%	8.8%	11.9%	14.6%	-20.3%	8.2%
TOTAL RESIDENTIAL	28.901	23.714	23.578	27.864	26.672	25.397	29.167	29.000	29.008	23.478	23.578
month-over-month % change	5.5%	-17.9%	-0.6%	-3.5%	-4.3%	-4.8%	0.6%	-0.6%	0.0%		
year-over-year % change	8.4%	-7.8%	0.4%	-1.2%	-2.9%	0.4%	16.7%	15.5%	15.2%	3.8%	0.4%
Hotel/Motel	0.487	0.321	0.553	0.607	0.497	0.454	0.548	0.559	0.571	0.409	0.553
month-over-month % change	-28.8%	-34.1%	72.4%	4.5%	-18.2%	-8.7%	-7.6%	2.0%	2.2%		
year-over-year % change	-52.7%	66.9%	35.3%	-17.2%	-18.5%	-16.5%	-45.4%	-34.2%	-24.5%	-73.2%	35.3%
Retail/Shopping	0.899	0.478	1.100	0.941	0.754	0.826	1.073	1.054	1.062	1.007	1.100
month-over-month % change	1.8%	-46.8%	130.0%	-20.1%	-19.9%	9.6%	-0.2%	-0.2%	0.7%		
year-over-year % change	-3.4%	-32.4%	9.3%	-9.6%	-19.0%	-6.3%	2.9%	3.0%	5.4%	-16.2%	9.3%
Parking Garages	0.066	0.102	0.210	0.098	0.105	0.126	0.142	0.142	0.140	0.229	0.210
month-over-month % change	-54.4%	54.0%	105.8%	-21.1%	7.1%	20.6%	-1.1%	0.0%	-1.1%		
year-over-year % change	-30.6%	-0.5%	-8.0%	-18.7%	-5.7%	-11.3%	-3.6%	-2.4%	5.4%	-39.0%	-8.0%
Amusement	0.345	0.329	0.290	0.410	0.402	0.322	0.542	0.534	0.523	0.420	0.290
month-over-month % change	-35.1%	-4.6%	-11.8%	-16.9%	-1.9%	-20.0%	-0.4%	-1.5%	-2.0%		
year-over-year % change	-7.8%	-23.2%	-30.9%	-25.4%	-19.9%	-21.1%	-0.1%	1.7%	5.0%	-43.0%	-30.9%
Office	1.846	0.909	1.129	1.335	1.125	1.295	1.611	1.548	1.523	1.430	1.129
month-over-month % change	198.1%	-50.8%	24.3%	-27.1%	-15.7%	15.1%	-9.2%	-3.9%	-1.6%		
year-over-year % change	-51.6%	-45.6%	-21.0%	-42.0%	-52.6%	-43.8%	-26.2%	-28.3%	-25.3%	-49.9%	-21.0%
Governmental Offices	0.881	0.840	0.697	0.857	0.862	0.806	0.983	0.991	1.000	0.590	0.697
month-over-month % change	1.8%	-4.7%	-16.9%	-16.0%	0.6%	-6.5%	1.2%	0.8%	0.9%		
year-over-year % change	18.3%	12.4%	18.3%	-19.2%	17.1%	16.2%	10.5%	11.5%	14.5%	-24.4%	18.3%
Laboratories	0.190	0.108	0.060	0.168	0.156	0.119	0.204	0.190	0.189	0.074	0.060
month-over-month % change	10.9%	-42.8%	-44.3%	-8.0%	-6.9%	-23.6%	0.5%	-7.1%	-0.6%		
year-over-year % change	6.5%	-61.5%	-18.1%	-22.5%	-32.9%	-32.8%	3.1%	-3.1%	14.5%	-83.6%	-18.1%
Warehouse	2.661	1.041	1.170	2.233	1.794	1.624	2.192	2.169	2.130	1.639	1.170
month-over-month % change	58.3%	-60.9%	12.5%	5.0%	-19.7%	-9.5%	0.0%	-1.0%	-1.8%		
year-over-year % change	0.2%	-20.4%	-28.6%	-1.2%	-16.0%	-13.1%	-2.7%	-0.7%	4.4%	-51.5%	-28.6%
Misc Commercial	0.684	4.120	0.128	1.373	2.565	1.644	0.881	1.212	1.199	0.285	0.128
month-over-month % change	-76.3%	502.1%	-96.9%	-0.3%	86.8%	-35.9%	2.6%	37.5%	-1.1%		
year-over-year % change	66.0%	2614.4%	-55.0%	199.1%	749.7%	481.2%	39.1%	111.4%	125.8%	-64.1%	-55.0%
TOTAL COMMERCIAL	8.059	8.248	5.339	8.022	8.259	7.216	8.176	8.398	8.336	6.082	5.339
month-over-month % change	-4.9%	2.3%	-35.3%	-10.0%	3.0%	-12.6%	-2.2%	2.7%	-0.7%		
year-over-year % change	-21.3%	47.5%	-12.2%	-8.2%	4.1%	-1.2%	-8.1%	-1.7%	3.7%	-49.7%	-12.2%
TOTAL INDUSTRIAL (Manufacturing)	2.821	0.668	1.896	5.401	2.029	1.795	2.639	2.623	2.631	1.801	1.896
month-over-month % change	8.6%	-76.3%	183.7%	10.5%	-62.4%	-11.5%	6.2%	-0.6%	0.3%		
year-over-year % change	192.3%	-22.0%	5.3%	159.4%	23.2%	48.7%	40.7%	44.8%	43.1%	22.0%	5.3%
Religious	0.100	0.030	0.116	0.068	0.061	0.082	0.094	0.082	0.087	0.058	0.116
month-over-month % change	87.0%	-69.6%	281.1%	-22.3%	-9.4%	33.9%	-4.0%	-12.9%	5.9%		
year-over-year % change	-32.0%	-82.7%	100.7%	-50.0%	-59.2%	-35.3%	-27.9%	-39.6%	-32.7%	-58.4%	100.7%
Hospitals/Clinics	1.635	0.988	0.593	1.545	1.265	1.072	1.373	1.396	1.357	1.065	0.593
month-over-month % change	39.4%	-39.6%	-39.9%	19.9%	-18.1%	-15.3%	-0.8%	1.7%	-2.8%		
year-over-year % change	-7.5%	38.8%	-44.3%	18.1%	2.7%	-9.3%	11.1%	25.5%	23.4%	-12.6%	-44.3%
Nursing/Assisted Living	0.159	0.277	0.130	0.402	0.343	0.188	0.507	0.481	0.450	0.503	0.130
month-over-month % change	-73.2%	74.2%	-53.1%	-25.8%	-14.8%	-45.0%	-6.8%	-5.2%	-6.5%		
year-over-year % change	-73.5%	-53.2%	-74.2%	-38.4%	-43.2%	-66.6%	-17.2%	-22.9%	-25.3%	-34.5%	-74.2%
Libraries/Museums	0.168	0.320	0.257	0.165	0.204	0.248	0.214	0.221	0.227	0.188	0.257
month-over-month % change	35.0%	89.9%	-19.7%	-4.4%	23.6%	21.6%	-2.9%	3.2%	2.6%		
year-over-year % change	-31.1%	34.3%	36.6%	5.1%	0.1%	11.1%	-31.9%	-30.3%	-16.8%	-73.9%	36.6%
Fire/Police/Courthouse/Prison	0.554	0.758	0.431	0.606	0.665	0.581	0.643	0.646	0.605	0.931	0.431
month-over-month % change	-18.8%	36.8%	-43.1%	-2.2%	9.7%	-12.6%	-6.1%	0.6%	-6.4%		
year-over-year % change	-47.6%	6.4%	-53.7%	-22.0%	-16.8%	-35.4%	-2.1%	-4.0%	-10.1%	-0.2%	-53.7%
Military	1.212	1.756	0.160	1.050	1.352	1.043	0.749	0.864	0.807	0.840	0.160
month-over-month % change	11.5%	44.9%	-90.9%	23.7%	28.7%	-22.9%	1.4%	15.3%	-6.6%		
year-over-year % change	11.5%	364.4%	-81.0%	4.4%	66.1%	35.7%	-0.8%	12.6%	3.0%	31.0%	-81.0%
Schools/Colleges	3.281	3.579	4.882	3.620	3.452	3.914	4.907	4.928	4.987	4.176	4.882
month-over-month % change	-6.2%	9.1%	36.4%	-20.0%	-4.6%	13.4%	-1.8%	0.4%	1.2%		
year-over-year % change	-24.6%	7.9%	16.9%	-14.9%	-13.4%	-0.8%	-15.4%	-12.4%	-10.6%	-12.4%	16.9%
Misc Medical	0.518	0.468	0.560	0.600	0.466	0.515	0.604	0.578	0.589	0.432	0.560
month-over-month % change	26.4%	-9.6%	19.6%	-0.5%	-22.4%	10.7%	-2.5%	-4.4%	1.8%		
year-over-year % change	-26.6%	-40.3%	29.7%	-4.7%	-34.6%	-19.5%	-12.1%	-15.5%	-12.3%	-26.5%	29.7%
TOTAL INSTITUTIONAL	7.628	8.176	7.129	8.057	7.808	7.644	9.091	9.196	9.108	8.193	7.129
month-over-month % change	0.1%	7.2%	-12.8%	-7.3%	-3.1%	-2.1%	-2.1%	1.2%	-1.0%		
year-over-year % change	-23.4%	18.4%	-13.0%	-9.7%	-8.1%	-8.5%	-10.8%	-7.5%	-7.2%	-16.2%	-13.0%
Misc Non Residential	0.481	0.372	0.538	0.541	0.471	0.464	0.518	0.510	0.516	0.469	0.538
month-over-month % change	-14.2%	-22.6%	44.5%	3.9%	-12.9%	-1.6%	-0.7%	-1.5%	1.1%		
year-over-year % change	-8.7%	-20.1%	14.8%	3.2%	-9.6%	-4.8%	7.7%	5.7%	8.6%	-16.7%	14.8%
TOTAL NON-RES BUILDING	18.989	17.464	14.902	22.021	18.567	17.118	20.424	20.728	20.591	16.544	14.902
month-over-month % change	-1.4%	-8.0%	-14.7%	-4.3%	-15.7%	-7.8%	-1.1%	1.5%	-0.7%		
year-over-year % change	-12.4%	26.4%	-9.9%	8.7%	-0.2%	-1.3%	-4.7%	-0.3%	2.1%	-30.8%	-9.9%
Airports	0.247	0.259	0.262	0.384	0.314	0.256	0.427	0.435	0.446	0.129	0.262
month-over-month % change	-43.6%	5.0%	1.1%	-25.2%	-18.3%	-18.6%	-7.0%	1.8%	2.5%		
year-over-year % change	-60.9%	56.5%	102.6%	-35.4%	-25.1%	-17.1%	-18.6%	-13.4%	-10.8%	-17.0%	102.6%
Roads/Highways	4.907	3.507	5.487	4.975	4.499	4.634	5.615	5.629	5.787	3.591	5.487
month-over-month % change	-3.5%	-28.5%	56.5%	-7.9%	-9.6%	3.0%	-0.7%	0.3%	2.8%		
year-over-year % change	-8.4%	5.2%	52.8%	3.1%	-2.2%	13.2%	4.1%	6.1%	9.7%	-8.9%	52.8%
Bridges	1.591	0.972	2.278	1.377	1.292	1.614	1.637	1.502	1.517	2.093	2.278
month-over-month % change	21.1%	-38.9%	134.4%	8.7%	-6.2%	24.9%	2.6%	-8.2%	1.0%		
year-over-year % change	46.3%	-62.5%	8.8%	32.2%	-18.4%	-16.1%	9.9%	-20.8%	-19.5%	-6.2%	8.8%
Dams/Marine	1.413	1.013	0.630	1.077	1.108	1.018	0.660	0.711	0.725	0.462	0.630
month-over-month % change	57.3%	-28.3%	-37.8%	31.4%	2.9%	-8.1%	9.2%	7.7%	2.0%		
year-over-year % change	89.9%	151.8%	36.5%	35.1%	38.5%	90.0%	-4.3%	3.0%	11.8%	-51.8%	36.5%
Water/Sewage	2.615	2.329	2.965	2.716	2.541	2.636	2.846	2.839	2.833	3.040	2.965
month-over-month % change	-2.4%	-10.9%	27.3%	-2.3%	-6.4%	3.7%	2.1%	-0.3%	-0.2%		
year-over-year % change	37.1%	-3.6%	5.2%	11.6%	16.2%	7.4%	6.7%	9.0%	5.5%	46.8%	-2.5%
Misc Civil (Power, etc.)	1.181	0.684	2.725	1.283	1.086	1.530	1.957	1.902	1.733	4.755	2.725
month-over-month % change	-15.3%	-42.1%	298.4%	-13.3%	-15.3%	40.9%	-2.0%	-2.8%	-8.9%		
year-over-year % change	-29.3%	-49.1%	-42.7%	-1.7%	-24.6%	-40.9%	-16				