



Labor Market Analysis: 0957.20 – Construction Inspection

Los Angeles Center of Excellence, January 2025

Program Endorsement:	Endorsed: All Criteria Met	<input checked="" type="checkbox"/>	Endorsed: Some Criteria Met	<input type="checkbox"/>	Not Endorsed	<input type="checkbox"/>
Program Endorsement Criteria						
Supply Gap:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>		
Living Wage: (Entry-Level, 25 th)	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>		
Education:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>		
Emerging Occupation(s)						
Yes			<input type="checkbox"/>	No		
				<input checked="" type="checkbox"/>		

SUMMARY

This report analyzes whether local labor market demand is being met by community college programs aligned with the identified middle-skill occupation¹ or whether a shortage of workers exists. Labor market demand is measured by annual job openings while education supply is measured by the number of awards (degrees and certificates) conferred on average each year.

Based on the available data, there appears to be a supply gap for the one identified middle-skill occupation in the region. Furthermore, entry-level wages exceed the self-sufficiency standard wage in both Los Angeles and Orange counties, and more than one-third of current workers in the field have completed some college or an associate degree as their highest level of educational attainment.

Recommendation: Due to all three program endorsement criteria being met, the Los Angeles Center of Excellence for Labor Market Research (LA COE) endorses this proposed program.

Key Findings

Supply Gap

- 540 annual job openings are projected in the region through 2028. This number is greater than the three-year average of 63 awards conferred by educational institutions in the region.

¹ Middle-skill occupations typically require some postsecondary education, but less than a bachelor's degree. The COE classifies middle-skill jobs as the following:

- All occupations that require an educational requirement of some college, associate degree or apprenticeship;
- All occupations that require a bachelor's degree, but also have more than one-third of their existing labor force with an educational attainment of some college or associate degree; or
- All occupations that require a high school diploma or equivalent or no formal education, but also require short- to long-term on-the-job training where multiple community colleges have existing programs.

Living Wage

- \$31.53 is the typical entry-level hourly wages for *construction and building inspectors*, which is higher than Los Angeles County's self-sufficiency standard hourly (\$24.03/hour).²

Educational Attainment

- A high school diploma or equivalent is the typical entry-level education for *construction and building inspectors*, according to the Bureau of Labor Statistics (BLS).
- 41% of workers in the field have completed some college or an associate degree, according to national educational attainment data.

Community college supply

- 5 community colleges issued awards related to construction inspection in the greater LA/OC region.
- 63 awards (degrees and certificates) were conferred on average each year between 2021 and 2023.

Other postsecondary supply

- No other educational institutions in the LA/OC region have conferred sub-baccalaureate awards in programs related to construction inspection over the past three years.

TARGET OCCUPATION

LA COE prepared this report to provide regional labor market and postsecondary supply data related to one middle-skill occupation:

- **Construction and Building Inspectors (47-4011)** Inspect structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations. Inspections may be general in nature or may be limited to a specific area, such as electrical systems or plumbing.³

OCCUPATIONAL DEMAND

Exhibit 1 shows the five-year occupational demand projections for *construction and building inspectors*. In the greater Los Angeles/Orange County region, the number of jobs related to this occupation is projected to increase by 1% through 2028. There will be more than 500 job openings per year through 2028 due to job growth and replacements. The majority of jobs in 2023 for *construction and building inspectors* (71%) were located in Los Angeles County.

Exhibit 1: Current employment and occupational demand, Los Angeles and Orange counties⁴

Geography	2023 Jobs	2028 Jobs	2023-2028 Change	2023-2028 % Change	Annual Openings
Los Angeles	3,315	3,338	23	1%	382
Orange	1,326	1,348	22	2%	158
Total	4,641	4,686	45	1%	540

² Center for Women's Welfare, University of Washington. (2024). *The self-sufficiency standard for California 2024*. <http://selfsufficiencystandard.org/California>.

³ *Construction and Building Inspectors* ([bls.gov](https://www.bls.gov))

⁴ Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

Detailed Occupation Data

Exhibit 2 displays the current employment and projected occupational demand for the target occupation in Los Angeles County. Positive scores for automation resilience⁵ reflect a lower-than-average threat of the occupation(s) being replaced by automation, while negative scores reflect a greater-than-average risk of automation. The average percentage of workers aged 55+ across all occupations in the Los Angeles/Orange County region is 26%; occupations with a larger share of workers aged 55 and older typically have greater replacement needs to offset the amount of impending retirements. On average, 81% of workers across all occupations in California are employed full-time.

Exhibit 2: Detailed employment and occupational demand, Los Angeles County⁶

Occupation	2023 Jobs	2028 Jobs	5-Yr % Change	Annual Openings	Automation Resilience	% Aged 55 and older	% Full Time Workers
Construction and Building Inspectors	3,315	3,338	1%	382	7.3	43%	100%

WAGES

The labor market endorsement in this report considers the entry-level hourly wages for *construction and building inspectors* in Los Angeles County as they relate to the county's self-sufficiency standard wage. Orange County wages are included below in order to provide a complete analysis of the greater Los Angeles/Orange County region.

Los Angeles County

The typical entry-level hourly wages for *construction and building inspectors* are \$31.53, which is above the self-sufficiency standard wage for one adult (\$24.03 in Los Angeles County). Experienced workers can expect to earn wages of \$53.42.

Exhibit 3: Earnings for occupation in Los Angeles County

Occupation	Entry-Level Hourly Earnings (25 th Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75 th Percentile)	Median Annual Earnings*
Construction and Building Inspectors	\$31.53	\$45.70	\$53.42	\$95,100

*Rounded to the nearest \$100

Orange County

The typical entry-level hourly wages for *construction and building inspectors* are \$30.86, which is above the self-sufficiency standard wage for one adult (\$27.13 in Orange County). Experienced workers can expect to earn wages of \$52.05.

⁵ Automation risk is calculated based on the percentage of time spent on high-risk compared to low-risk work, the number of high-risk jobs in compatible occupations, and the overall industry automation risk.

⁶ Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

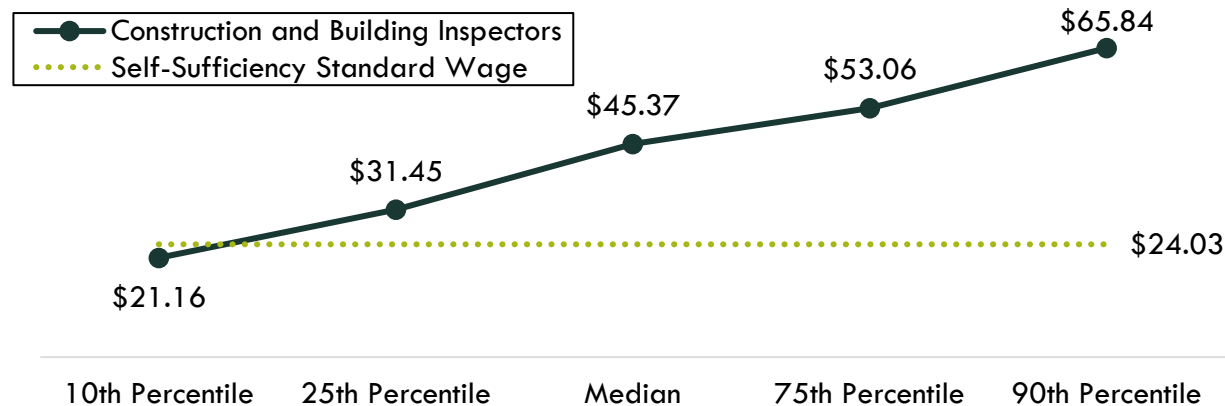
Exhibit 4: Earnings for occupation in Orange County

Occupation	Entry-Level Hourly Earnings (25 th Percentile)	Median Hourly Earnings	Experienced Hourly Earnings (75 th Percentile)	Median Annual Earnings*
Construction and Building Inspectors	\$30.86	\$44.58	\$52.05	\$92,700

*Rounded to the nearest \$100

Across the greater Los Angeles and Orange County region, the average entry-level hourly earnings for the occupation in this report are \$31.45; this is above the living wage for one single adult in Los Angeles County (\$24.03). Exhibit 5 shows the average hourly wage for the occupation in this report, for entry-level to experienced workers.

Exhibit 5: Average hourly earnings for construction and building inspectors, Los Angeles and Orange counties



JOB POSTINGS

There were 1,025 online job postings for *construction and building inspectors* listed in the past 12 months in Los Angeles and Orange counties. Job postings were analyzed for the most common job titles, skills, and employers associated with the target occupation in this report (Exhibit 6).

Exhibit 6: Most commonly requested job titles, skills and employers in job postings, Los Angeles and Orange counties

Top Job Titles	Top Skills	Top Employers
<ul style="list-style-type: none"> Construction inspectors Building inspectors Electrical inspectors Termite inspectors Code enforcement officers Property inspectors 	<ul style="list-style-type: none"> Construction Building codes Construction management Plumbing Construction inspection Field inspection Project management 	<ul style="list-style-type: none"> Interwest Consulting Group HILL International Bureau Veritas Sedgwick E2 Consulting Engineers City of Pasadena

In the greater Los Angeles/Orange County region, 54% of the *construction and building inspector* job postings listed a minimum educational requirement. Exhibit 7 details the number and percentage of job postings by educational level.

Exhibit 7: Education levels requested in job postings for construction and building inspectors, Los Angeles and Orange counties

Education Level	Job Postings	% of Job Postings
Bachelor's degree	145	26%
Associate degree	40	7%
High school diploma or vocational training	366	66%

EDUCATIONAL ATTAINMENT

The Bureau of Labor Statistics (BLS) lists a high school diploma or equivalent as the typical entry-level education for *construction and building inspectors* (Exhibit 8). However, the national-level data indicates 41% of workers in the field have completed some college or an associate degree as their highest level of educational attainment. The Bureau of Labor Statistics (BLS) lists the following typical entry-level education levels for the occupation in this report:

Exhibit 8: Entry-level education preferred by employers nationally, Bureau of Labor Statistics

Occupation	Education Level
Construction and Building Inspectors	High school diploma or equivalent

EDUCATIONAL SUPPLY

Community College Supply

Exhibit 9 shows the annual and three-year average number of awards conferred by community colleges in the related TOP code: Construction Inspection (0957.20). The colleges with the most completions in the region are Coastline, Pasadena, and Santiago Canyon. In the past three years, no other postsecondary institutions in the greater Los Angeles/Orange County region have conferred awards in the related CIP Code: Building/Home/Construction Inspection/Inspector (46.0403).

Exhibit 9: Regional community college awards (certificates and degrees), 2021-2023

TOP Code	Program	College	2020-21 Awards	2021-22 Awards	2022-23 Awards	3-Year Average
0957.20	Construction Inspection	Pasadena	20	14	18	17
		LA Subtotal	20	14	18	17
		Coastline	12	14	31	19
		Fullerton	5	10	7	7

TOP Code	Program	College	2020-21 Awards	2021-22 Awards	2022-23 Awards	3-Year Average
		Saddleback	8	1	7	5
		Santiago Canyon	17	11	15	14
		OC Subtotal	42	36	60	46
Supply Total/Average			62	50	78	63

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DATA SOURCES



POWERED BY



- O*NET Online
- Lightcast (formerly Emsi)
- Bureau of Labor Statistics (BLS)
- California Employment Development Department, Labor Market Information Division, OES
- California Community Colleges Chancellor's Office Management Information Systems (MIS)
- Self-Sufficiency Standard at the Center for Women's Welfare, University of Washington
- Chancellor's Office Curriculum Inventory (COCI 2.0)

Important Disclaimer: All representations included in this report have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. Efforts have been made to qualify and validate the accuracy of the data and the reported findings; however, neither the Centers of Excellence, COE host District, nor California Community Colleges Chancellor's Office are responsible for applications or decisions made by recipient community colleges or their representatives based upon components or recommendations contained in this study.

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