

Transit and Railroad Police

Labor Market Analysis: San Diego-Imperial Region

March 2018

Summary

This report was produced for Imperial County; however, due to insufficient data in the labor market, the greater San Diego-Imperial Region was used for analysis. The following list summarizes findings from the labor market analysis below for *Transit and Railroad Police*:

- There is insufficient data for Imperial County to determine labor market demand for *Transit and Railroad Police*; however, when analyzing data in the greater San Diego-Imperial Region between 2017 and 2022, *Transit and Railroad Police* are projected to increase by three jobs or 12 percent.
- Employers in the San Diego-Imperial Region will need to hire two workers annually to fill new jobs and backfill jobs due to attrition such as retirement or turnover.
- Between 2010 and 2017, there was an average of zero online job postings per year for *Transit and Railroad Police* in the San Diego-Imperial Region.
- There is insufficient data for Imperial County, however, when analyzing data in the greater San Diego-Imperial Region, *Transit and Railroad Police* earn median hourly earnings of \$33.59, more than the Self-Sufficiency Standard for two adults and two children (school-age) in Imperial County, which is \$11.32 per hour.
- According to the California Community Colleges Chancellor's Office Management Information System (MIS) Data Mart, there is one Taxonomy of Programs (TOP) code associated with this occupation: TOP 210530: Industrial and Transportation Security.
- Comparing labor demand (annual openings) with labor supply suggests that there is an oversupply for this occupation in the San Diego-Imperial Region, with two annual openings and 11 awards. Comparatively, there are 37 annual openings in California and 48 completions. There are zero awards in Imperial County; however, there is insufficient labor market data to determine if there is a supply gap in Imperial County.
- Between January 1, 2015 and December 31, 2017, the top employers in the San Diego-Imperial Region for this occupation were G4S and Geo Corrections & Detentions A Geo Company.
- The typical on-the-job training for this profession is moderate-term on-the-job training. The typical entry-level education is a high school diploma or equivalent.

Introduction

This report provides labor market information in the San Diego-Imperial Region for the following occupational code in the Standard Occupational Classification (SOC)¹ system:

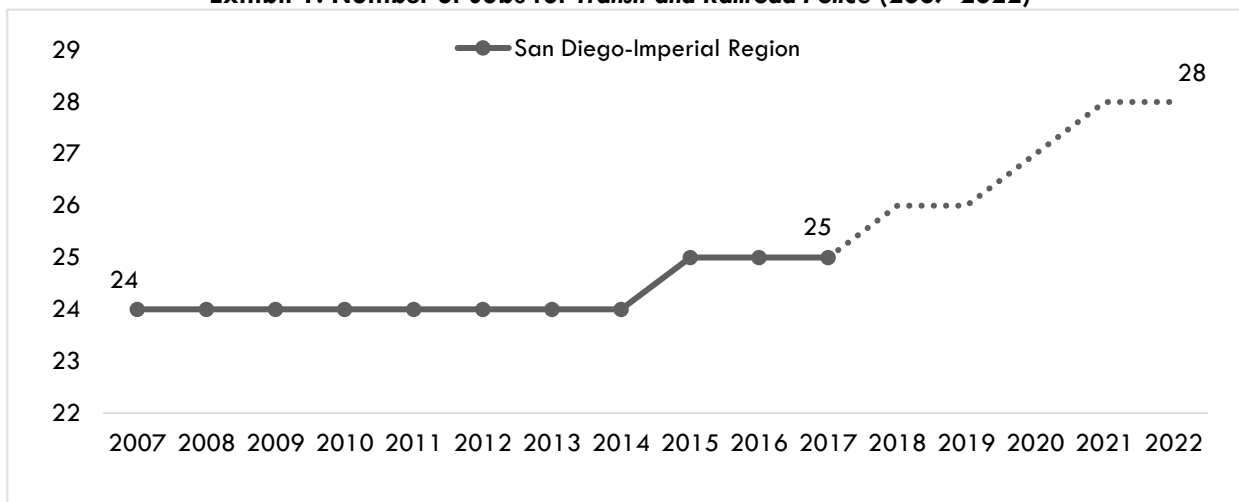
Transit and Railroad Police (SOC 33-3052): Protect and police railroad and transit property, employees or passengers. Sample reported job titles include:

- Transit Police Officer
- Railroad Police Officer
- Railroad Police
- Police Specialist
- Police Patrol Officer
- Police Captain
- Patrolman
- Patrol Officer
- Patrol Man
- Law Enforcement Officer

Projected Occupational Demand

There is insufficient data for Imperial County to determine labor market demand for *Transit and Railroad Police*; however, when analyzing data in the greater San Diego-Imperial Region between 2017 and 2022, *Transit and Railroad Police* are projected to increase by **three jobs** or **12 percent** (Exhibit 1). Employers in San Diego-Imperial Region will need to hire **two** workers annually to fill new jobs and backfill jobs due to attrition such as retirement or turnover.

Exhibit 1: Number of Jobs for *Transit and Railroad Police* (2007-2022)²



¹ The Standard Occupational Classification (SOC) system is used by federal statistical agencies to classify workers into occupational categories for the purpose of collecting, calculating or disseminating data. [bls.gov/soc](https://www.bls.gov/soc/).

² Economic Modeling Specialists, Int'l. (EMS). San Diego County (6073); Imperial County (6025). 2018.01 Class of Worker. QCEW + Non-QCEW+ Self-Employed. 2007-2022.

Online Job Postings

Between 2010 and 2017, there was an average of **zero** online job postings per year for *Transit and Railroad Police* in the San Diego-Imperial Region (Exhibit 3).

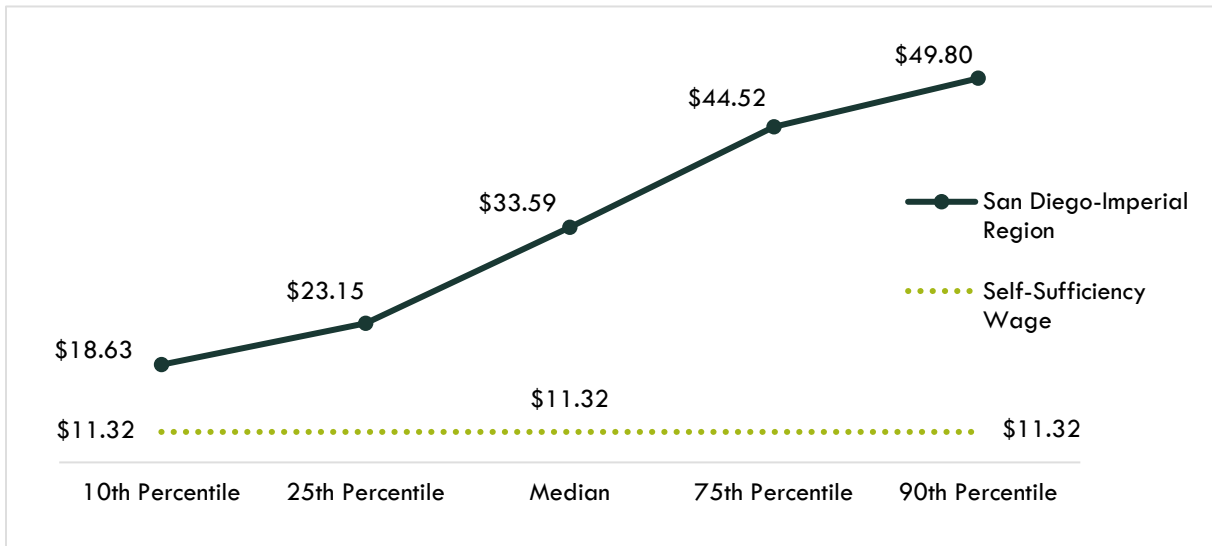
Exhibit 3: Number of Online Job Postings for *Transit and Railroad Police* in the San Diego-Imperial Region (2010-2017)³

0	0	0	0	0	0	0	0
2010	2011	2012	2013	2014	2015	2016	2017

Earnings

There is insufficient data for Imperial County; however, when analyzing data in the greater San Diego-Imperial Region, *Transit and Railroad Police* earn median hourly earnings of **\$33.59**, more than the Self-Sufficiency Standard for two adults and two children (school-age) in Imperial County, which is **\$11.32** per hour (Exhibit 4).⁴

Exhibit 4: Hourly Earnings for *Transit and Railroad Police* in the San Diego-Imperial Region⁵



³ Labor Insight Jobs. Burning Glass Technologies. Imperial, CA. San Diego, CA. Full years 2010-2017.

⁴ The standard for two adults and two children was chosen due to the 3.68 persons per household (2012-2016) as determined by the U.S. Census for Imperial County.

⁵ EMSI. San Diego County (6073); Imperial County (6025). 2018.01 Class of Worker. QCEW + Non-QCEW + Self-Employed. 2017-2022.

Educational Supply

Educational supply for an occupation can be estimated by analyzing the number of related program completers/graduates/awards in Imperial County. According to the California Community Colleges Chancellor’s Office Management Information System (MIS) Data Mart, there is **one** Taxonomy of Programs (TOP) code associated with this occupation: TOP 210530: Industrial and Transportation Security (Exhibit 5).

Exhibit 5: Related TOP Codes in the San Diego-Imperial Region

SOC 33-3052: Transit and Railroad Police

TOP 210530: Industrial and Transportation Security

According to the TOP data, **two** colleges supply the region with awards for this occupation **Grossmont College and Palomar College** (Exhibit 6)⁶.

Please note: An award is not equivalent to a single person in search of a job opening because a student may earn more than one award such as an associate degree in addition to a certificate.

Exhibit 6: Number of Awards (Certificates and Degrees) Conferred by Postsecondary Institutions (Program Year 2015-16)

TOP06	TOP06 Title	3-Yr Annual Average CC Awards (PY14-15 to PY16-17)	Other Educational Institutions 3-Yr Annual Average Awards (PY13-14 to PY15-16)	3-Yr Total Average Supply (PY13-14 to PY16-17)
210530	Industrial and Transportation Security	11	0	11
	• Grossmont College	5	0	5
	• Palomar College	6	0	6

⁶ EMSI. San Diego County (6073); Imperial County (6025). 2018.01 Class of Worker. QCEW + Non-QCEW + Self-Employed. 2017-2022.

Demand vs. Supply

Comparing labor demand (annual openings) with labor supply⁷ suggests that there is an **oversupply** for this occupation in the San Diego-Imperial Region, with **two** annual openings and **11** awards.

Comparatively, there are **37** annual openings in California and **48** completions.⁸ There are zero awards in Imperial County, however, there is insufficient labor market data to determine if there is a supply gap in Imperial County (Exhibit 7).

Exhibit 7: Labor Demand (Annual Openings) Compared to Labor Supply (Average Annual Awards)

	Demand (Annual Openings)	Supply (Total Annual Average Supply)	Supply Gap or Oversupply
Imperial County	Insufficient Data	0	-
San Diego-Imperial Region	2	11	9
California	37	85	48

Please note: This is a basic analysis of supply and demand of labor for these occupations. This data should be used to discuss the potential gaps or oversupply of workers for these occupations; however, it should not be the only basis for determining whether or not a program should be developed. Additionally, the data does not include workers who are currently in the labor force who could fill these positions or workers who are not captured by publicly available data.

Student Outcomes

Based on the information available in the CTE LaunchBoard⁹, students who took courses in the related TOP codes exhibited the following outcomes (Exhibit 8).

Exhibit 8: Strong Workforce Program Metrics for TOP 210530: Industrial and Transportation Security in the San Diego-Imperial Region (PY2015-16)

Metric	San Diego-Imperial	California
Number of course enrollments ¹⁰	42	753
Number of students who got a degree or certificate ¹¹	8	48

⁷ Labor supply can be found from two different sources: EMSI or the California Community Colleges Chancellor's Office MIS Data Mart. EMSI uses CIP codes while MIS uses TOP codes. Different coding systems result in differences in the supply numbers.

⁸ EMSI. San Diego County (6073); Imperial County (6025). 2018.01 Class of Worker. QCEW + Non-QCEW + Self-Employed. 2017-2022.

⁹ calpassplus.org/LaunchBoard/SWP.aspx.

¹⁰ The number of enrollments in courses assigned to the TOP code in the selected year.

¹¹ The number of unduplicated students who earned a locally-issued certificate, Chancellor's Office approved certificate, associate degree, and/or California Community Colleges bachelor's degree in the selected TOP code.

Metric	San Diego-Imperial	California
Number of students who transferred ¹²	2	38
Employed in the second fiscal quarter after exit ¹³	50%	23%
Employed in the fourth fiscal quarter after exit ¹⁴	50%	24%
Job closely related to field of study ¹⁵	N/A	N/A
Median earnings in the second fiscal quarter after exit ¹⁶	\$3,252	\$10,832
Median change in earnings ¹⁷	N/A	101%
Attained a living wage ¹⁸	0%	48%

Top Employers and Work Locations

Between January 1, 2015 and December 31, 2017, the top employers in the San Diego-Imperial Region for this occupation were **G4S** and **Geo Corrections & Detentions A Geo Company** (Exhibit 9).

Exhibit 9: Top Employers in the San Diego-Imperial Region for *Transit and Railroad Police*

Top Employers

- G4S
- Geo Corrections & Detentions A Geo Company

Skills, Education and Certifications

Exhibit 10 indicates the educational attainment for the occupation found currently in the national labor force. The typical on-the-job training for this profession is **moderate-term on-the-job training**. The typical entry-level education is a **high school diploma or equivalent**.¹⁹

¹² Students who took non-introductory courses or completed a California Community Colleges Chancellor's Office award in the selected TOP code in selected year who subsequently enrolled for the first time in a four-year institution the following year.

¹³ Among all exiters with a valid SSN, the percentage who were employed two quarters after exiting California Community Colleges.

¹⁴ Among exiting students with a valid SSN, the percentage who were employed four quarters after exiting California Community Colleges.

¹⁵ Among students who responded to the CTEOS, the percentage reporting employment in the same or similar field as their program of study.

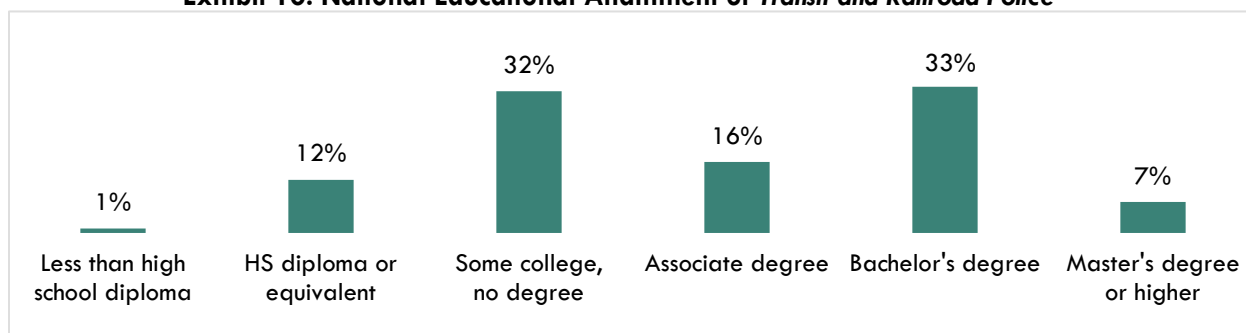
¹⁶ Among exiting students, the median second-quarter earnings one year after the year in which they exited California Community Colleges.

¹⁷ Among exiting students with a valid SSN, the percentage change in earnings one year before and one year after exiting California Community Colleges.

¹⁸ Among completers and skills-builders who exited, the proportion of students who attained a living wage.

¹⁹ EMSI. San Diego County (6073) Imperial County (6025). 2018.01 Class of Worker. QCEW + Non-QCEW + Self-Employed. 2017-2022.

Exhibit 10: National Educational Attainment of Transit and Railroad Police ²⁰



*May not add to 100% due to rounding.

Exhibit 11 lists the top specialized and soft skills that appeared in online job postings between January 1, 2015 and December 31, 2017.

Exhibit 11: Top Skills for Transit and Railroad Police in the San Diego-Imperial Region²¹

Specialized Skills	Soft Skills	Software Skills
<ul style="list-style-type: none"> • Pat-down Searches • Public Health and Safety • Law Enforcement or Criminal Justice Experience • Facility Management 	<ul style="list-style-type: none"> • Detail-Oriented • Listening • Writing • Physical Demand 	<ul style="list-style-type: none"> • Microsoft Vista

Tina Ngo Bartel, Director
 John Edwards, Research Analyst
 Center of Excellence, San Diego-Imperial Region
tngobartel@miracosta.edu
jedwards@miracosta.edu



²⁰ Bureau of Labor Statistics, Educational attainment for workers 25 years and older by detailed occupation. [bls.gov/emp/ep_table_111.htm](https://www.bls.gov/emp/ep_table_111.htm)

²¹ Labor Insight Jobs. Burning Glass Technologies. Imperial, CA. San Diego, CA. Full years 2015-2017.