



**Meeting Date:** January 20, 2023

**To:** Public Works Commission  
Lauren Post, Chair  
Fady Zoubi, Vice Chair  
Lynne Newhouse Segal  
Paul Woolford

**Through:** Carla Short, Interim Public Works Director  
Ron Alameida, Deputy Director, City Architect  
Albert Ko, Deputy Director, City Engineer

**From:** Iqbal Dhapa, Acting Manager of Bureau of Engineering  
Julia Laue, Manager of Bureau of Architecture

**Copy:** Alexandra Bidot, Planning and Performance Manager

**Subject:** Performance Measures Presentation and Report: Infrastructure Design and Construction & Building Design and Construction

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**Director's Recommendation:** Receive and discuss informational presentation.

**Executive Summary:** This presentation and report introduces performance measures for both the Infrastructure Design and Construction as well as Building Design and Construction divisions. The presentation will cover performance measures for the volume of active projects by phase; volume of active projects by client; volume of active projects by service scope; design section participation in the total active portfolio; the number of projects that have reached the design milestone over the last five fiscal years, the number of projects that have reached substantial construction completion over the last five fiscal years; the number and value of construction contracts awarded in the last three fiscal years; the duration it took for the average construction contract to go from advertising to notice to perform; the number and value of professional services contracts awarded in the last three years; the duration it took for the average professional services contract to go from advertising to notice to perform.

**Attachments:**

1. PowerPoint Presentation
2. Performance Measure Report

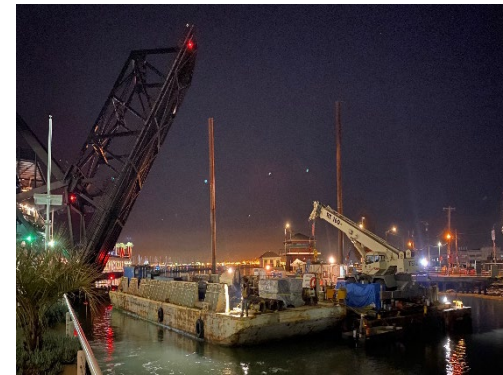
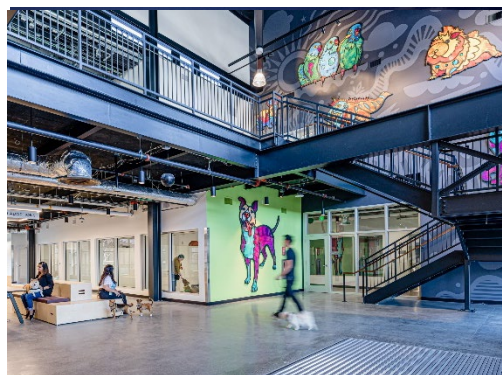


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# Performance and Data Evaluation:

Infrastructure Design & Construction (IDC) & Building Design & Construction (BDC)

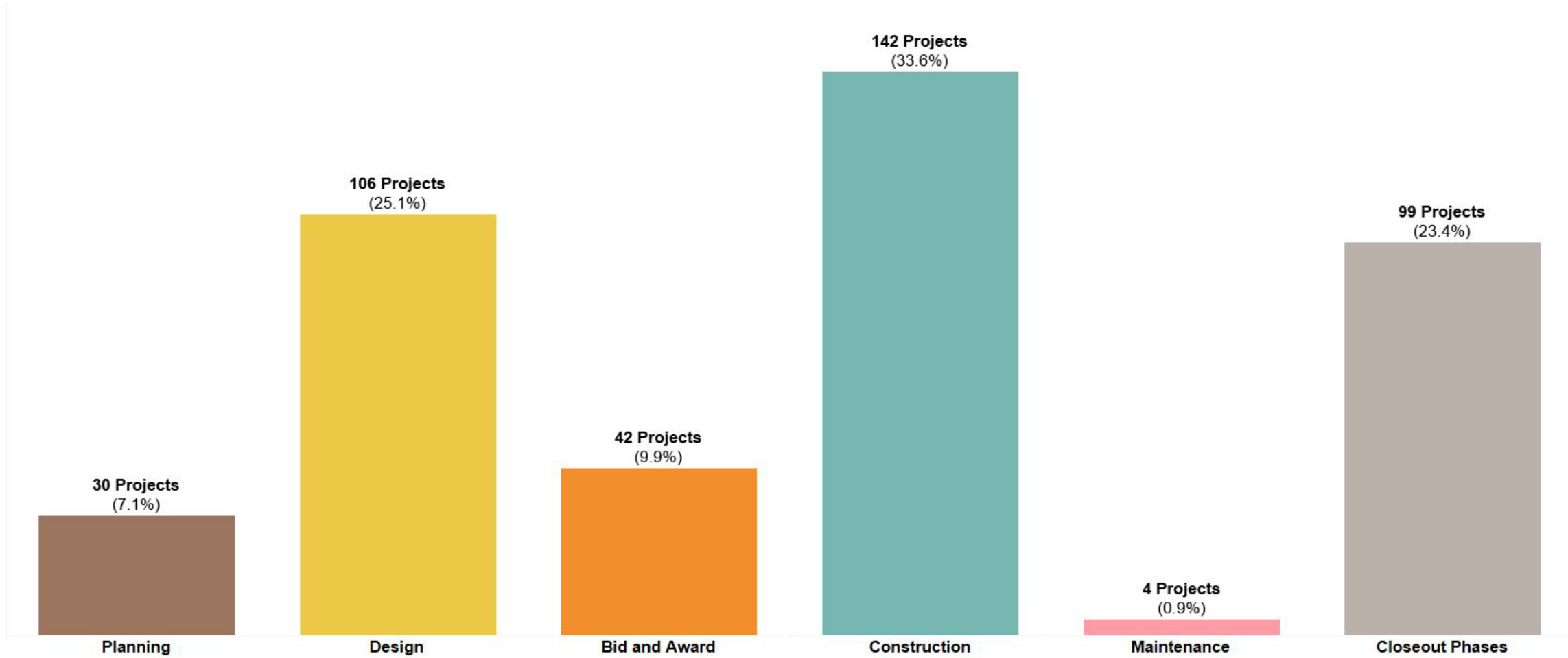
Iqbal Dhapa – Acting Manager of Bureau of Engineering  
Julia Laue – Manager of Bureau of Architecture





# Active projects by phase\*

Volume of active projects and percentage breakdown by phase



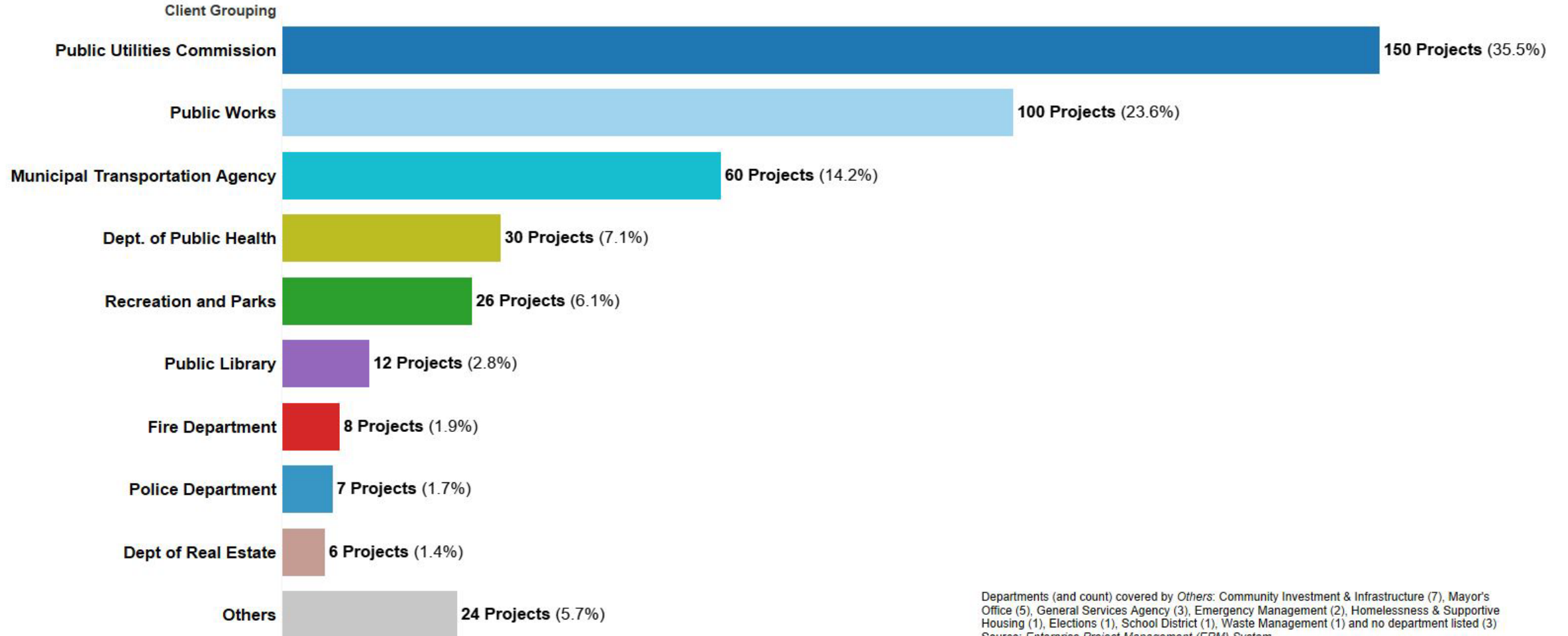
Source: Enterprise Project Management (EPM) System

\*As of 1/12/2023 - Public Works involvement in 423 capital projects is estimated at \$4.4B.

Source: Enterprise Project Management (EPM) System

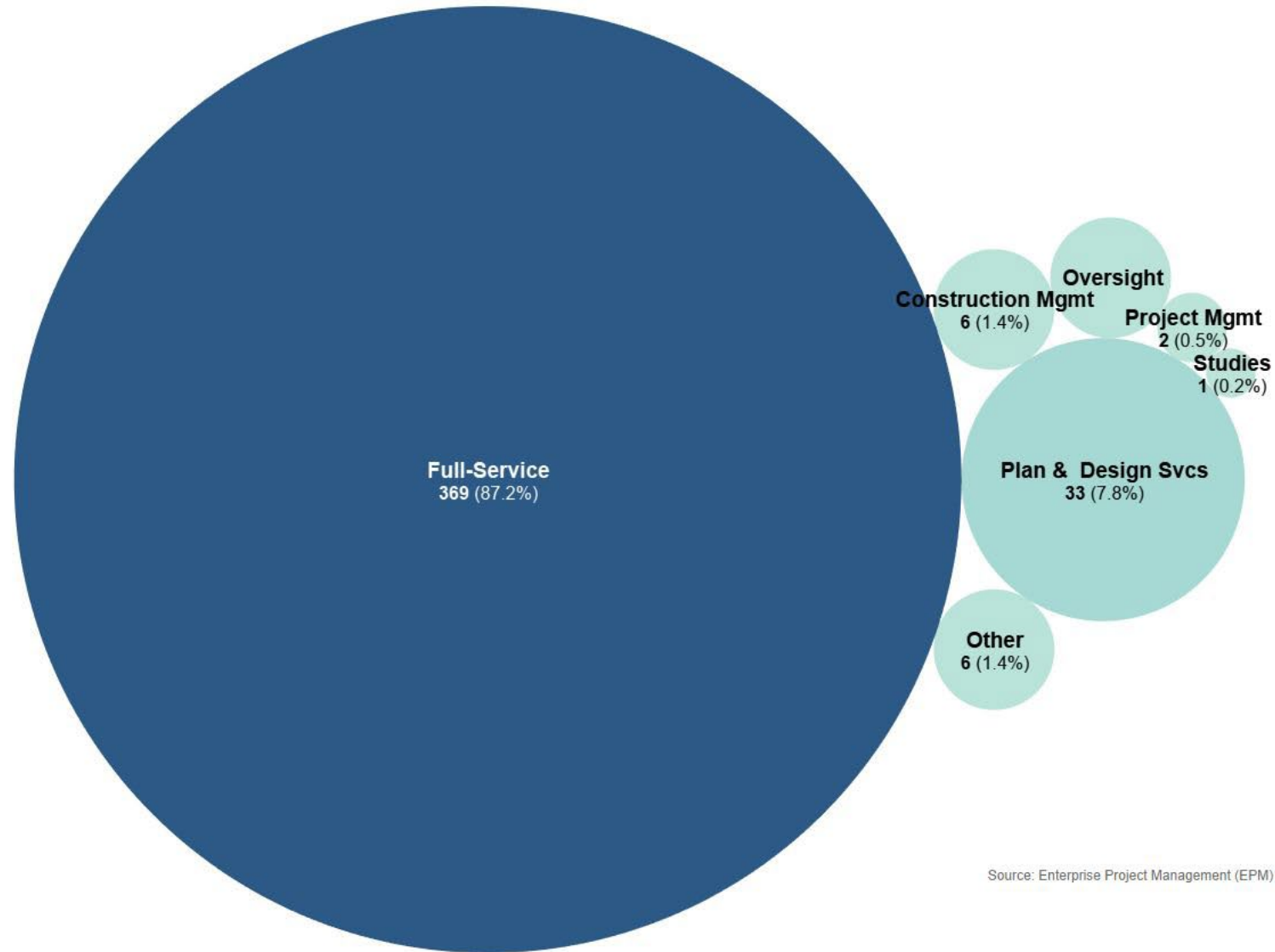
# Active projects by client

Volume of active projects and percentage breakdown by client



# Active projects by scope

Volume of active projects and percentage breakdown by scope (includes studies and oversight classification)

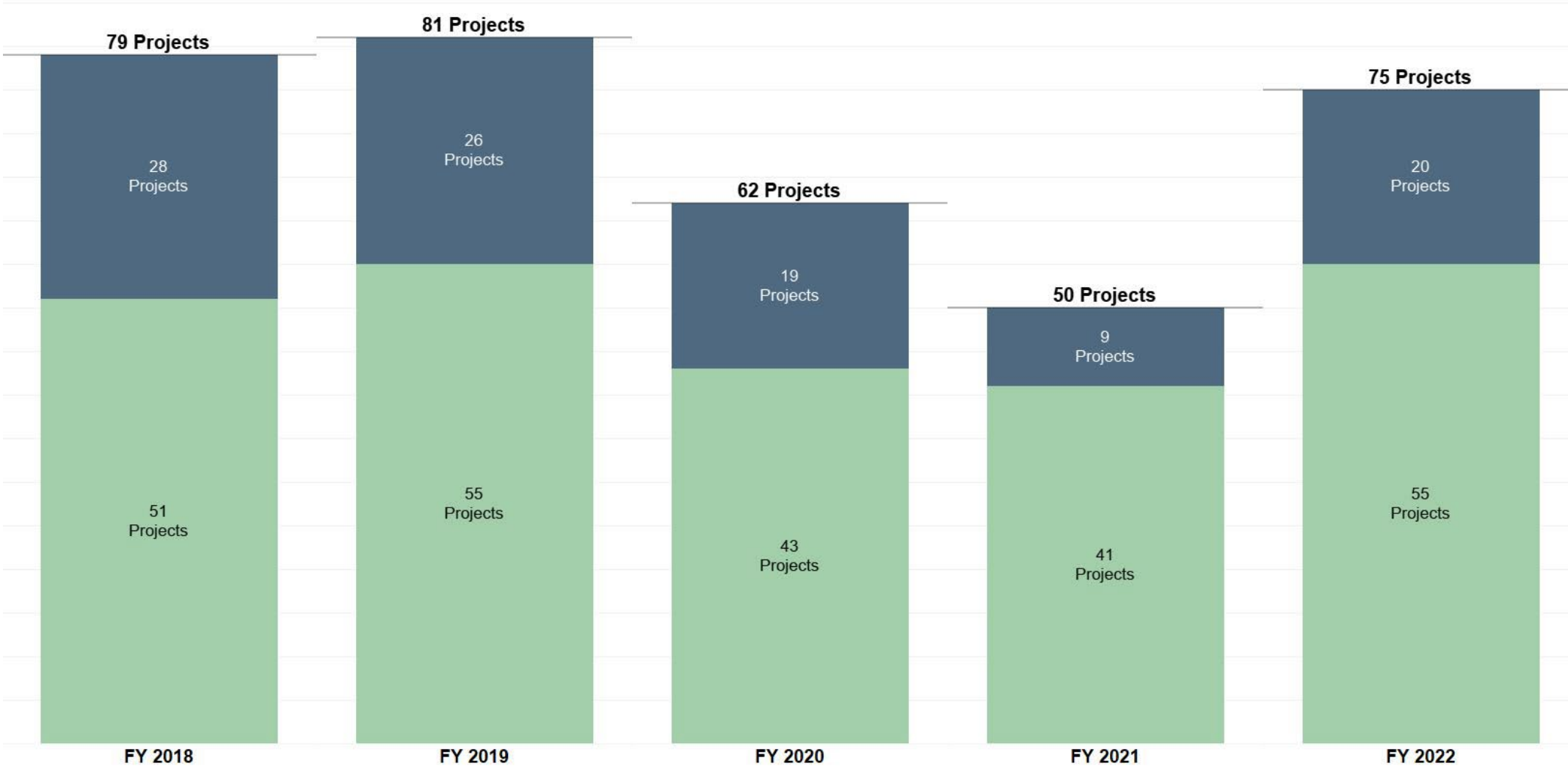


Source: Enterprise Project Management (EPM) System

# Design projects completed by fiscal year

Annual count of projects: design completed

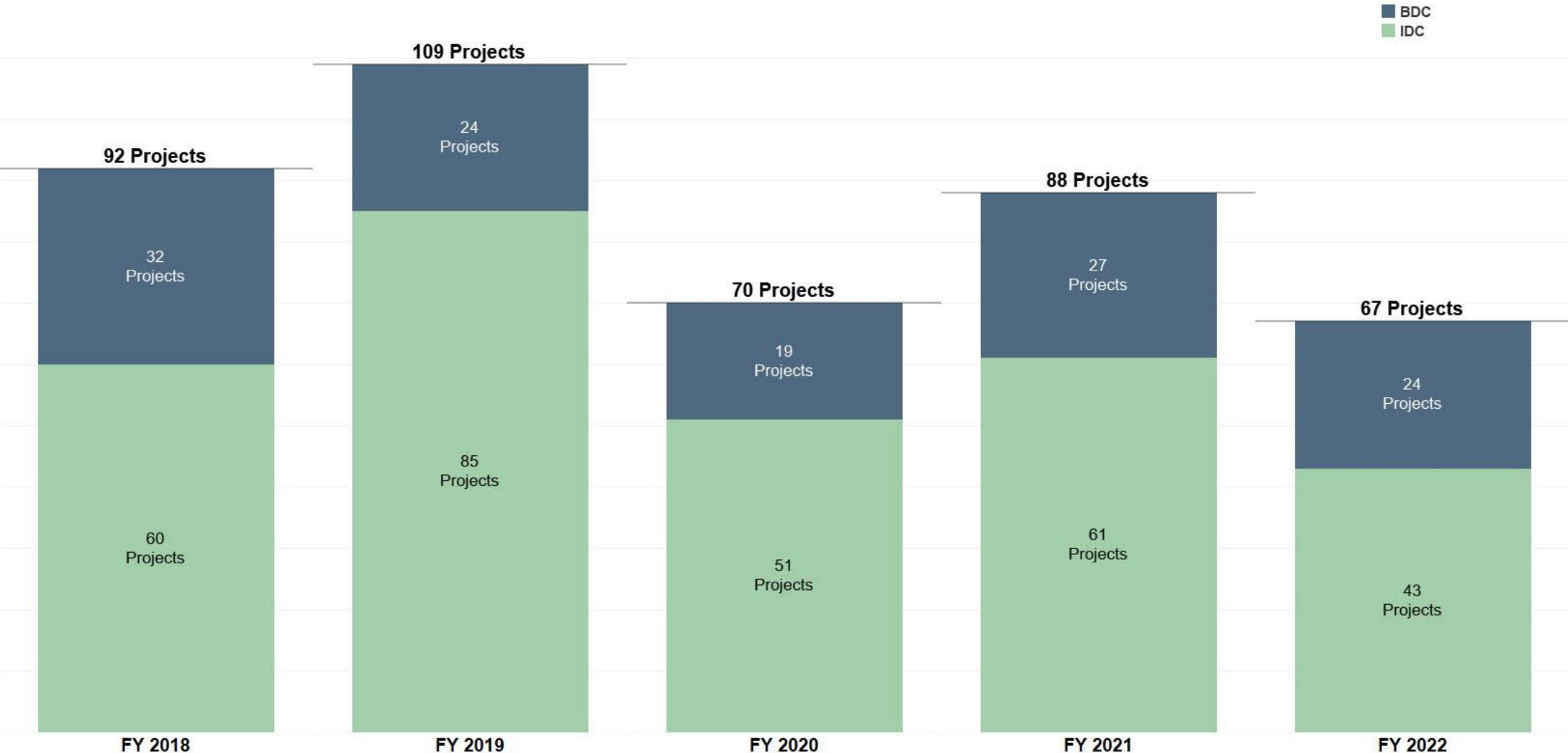
■ BDC  
■ IDC



Source: Enterprise Project Management (EPM) System

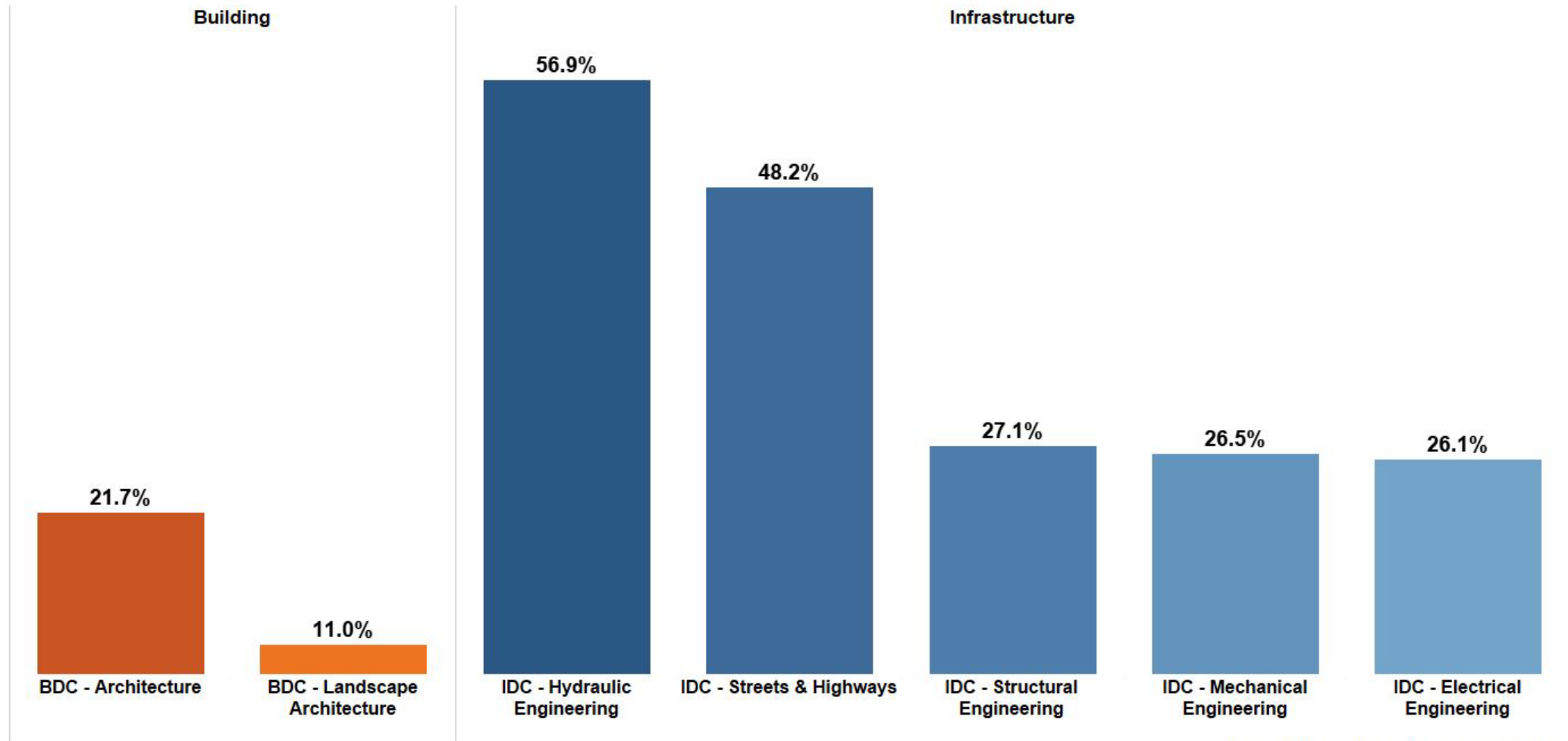
# Projects substantially completed by fiscal year

Annual count of projects - substantial construction completion



Source: Enterprise Project Management (EPM) System

# Design section participation (by % of projects)



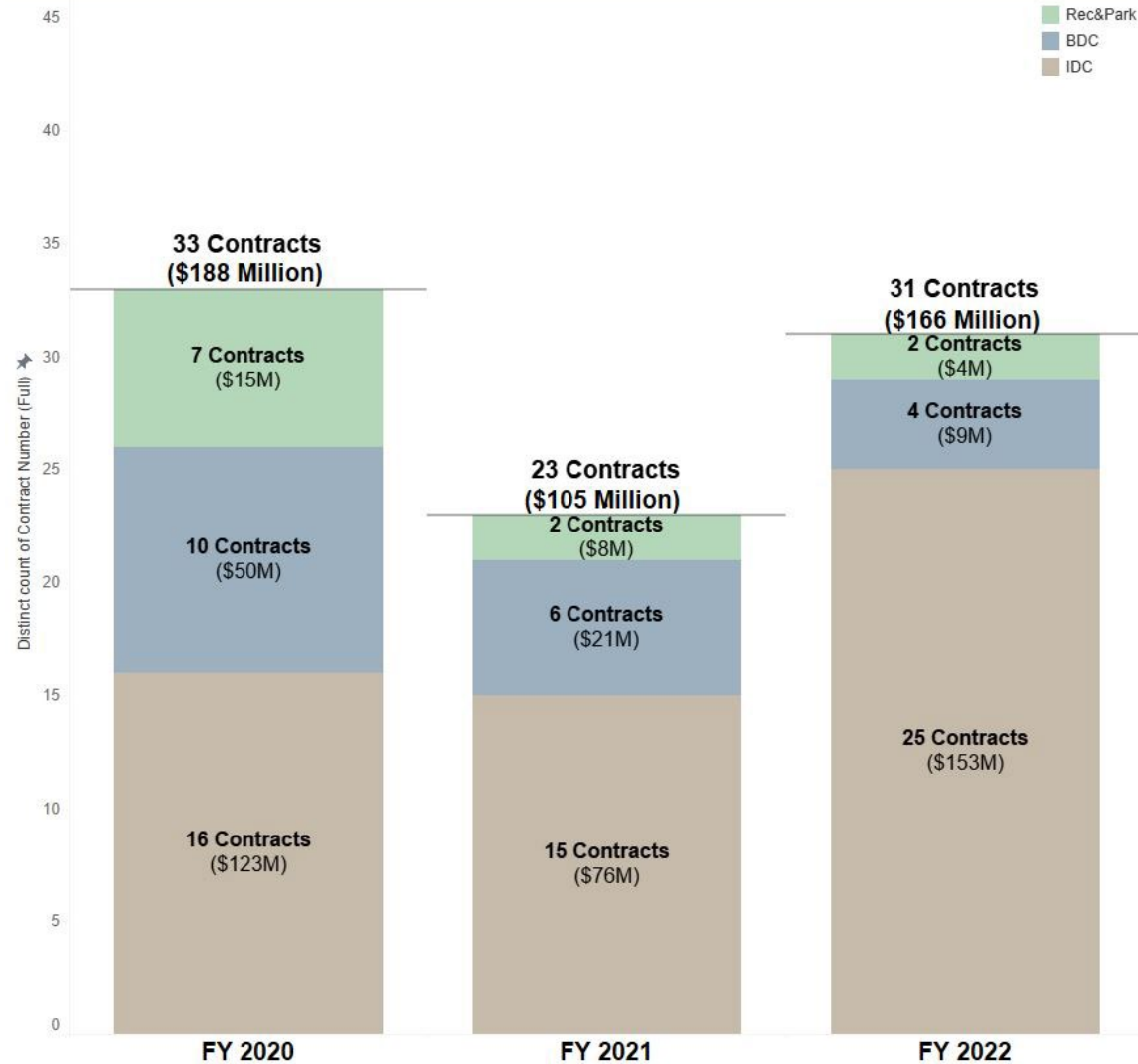
Source: Enterprise Project Management (EPM) System

- e.g., 115 projects of the portfolio (423) include Structural Engineering Scope = 27%
- Percentages add up to more than 100% because projects may involve multiple disciplines

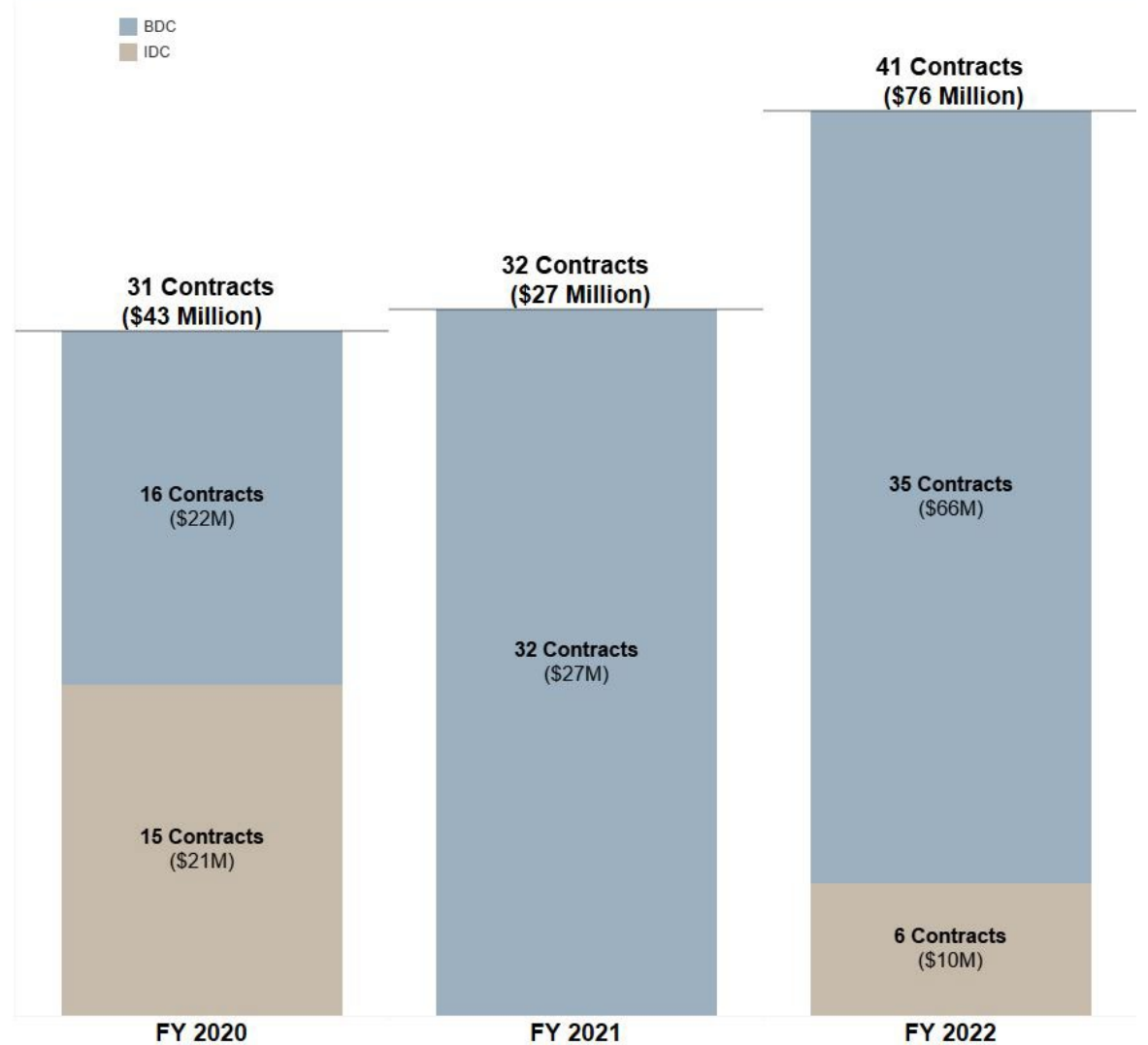


# Contracts awarded by fiscal year

Construction contracts awarded



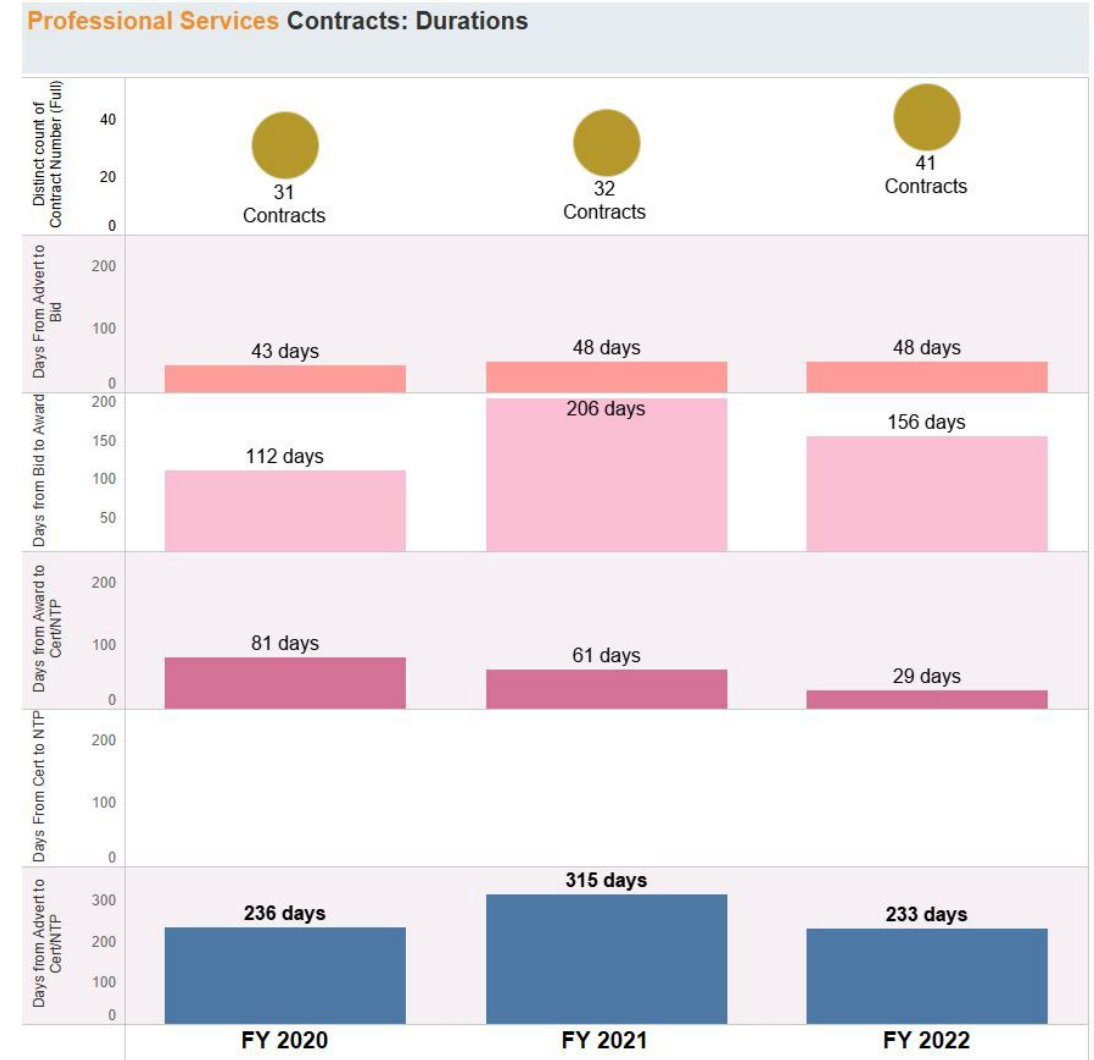
Professional Services contracts awarded



- Shows only projects awarded by Public Works.

# Award phase durations by fiscal year

## Time from advertising date to notice to proceed (NTP) date



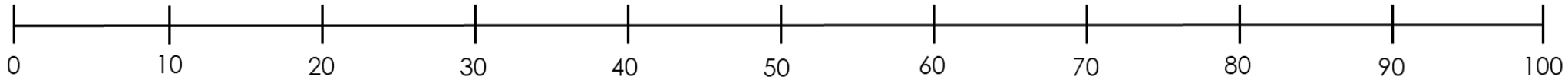
# Street Resurfacing Program: Pavement Condition Index (PCI) score

Pavement Condition Index (PCI) is an overall rating of road conditions on a scale from 0-100, with zero being a pothole-riddled crumbling street and 100 being a newly surfaced street.

PCI is a standardize scoring system utilized by all 9 Bay Area Counties and 100+ Bay Area Jurisdictions.

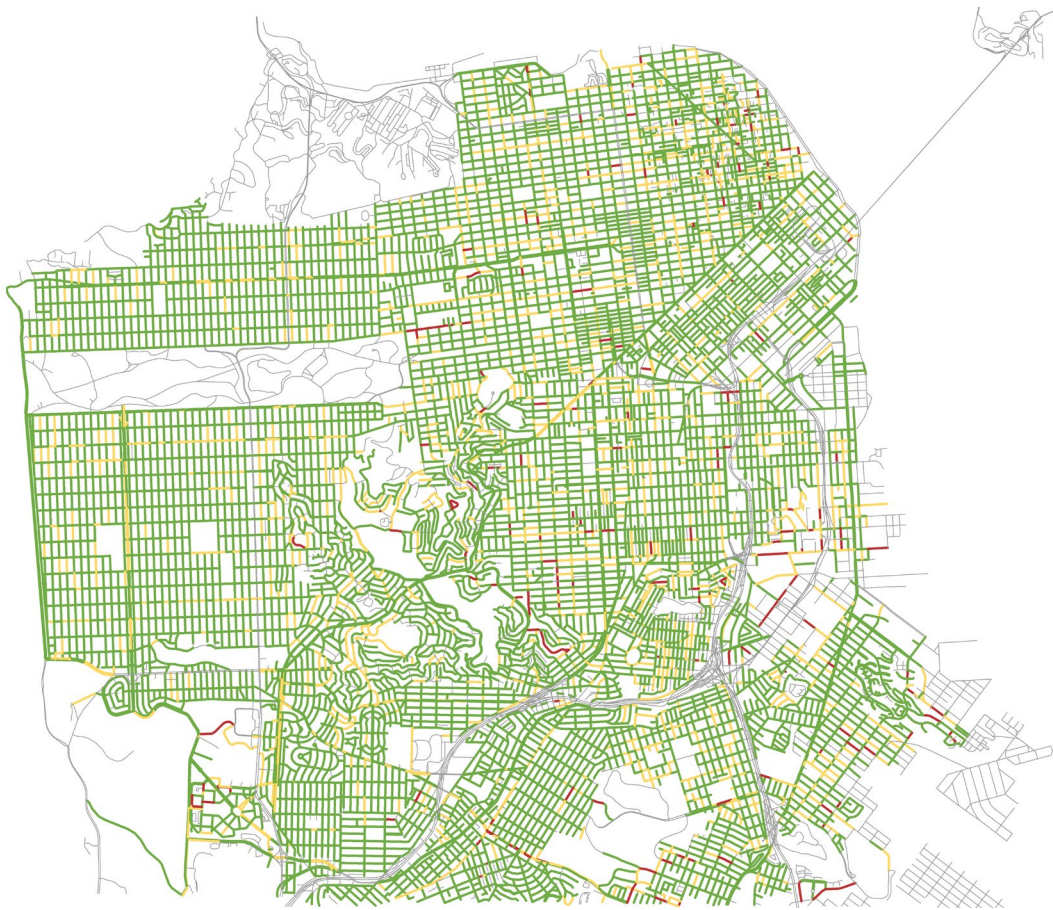
Pavement Management Systems are required in order to be eligible for funding

*“The Metropolitan Transportation Commission requires cities and counties to have their pavement management program — or PMP for short — certified to be eligible to receive regional discretionary funds. And we are responsible for verifying certification status.”*

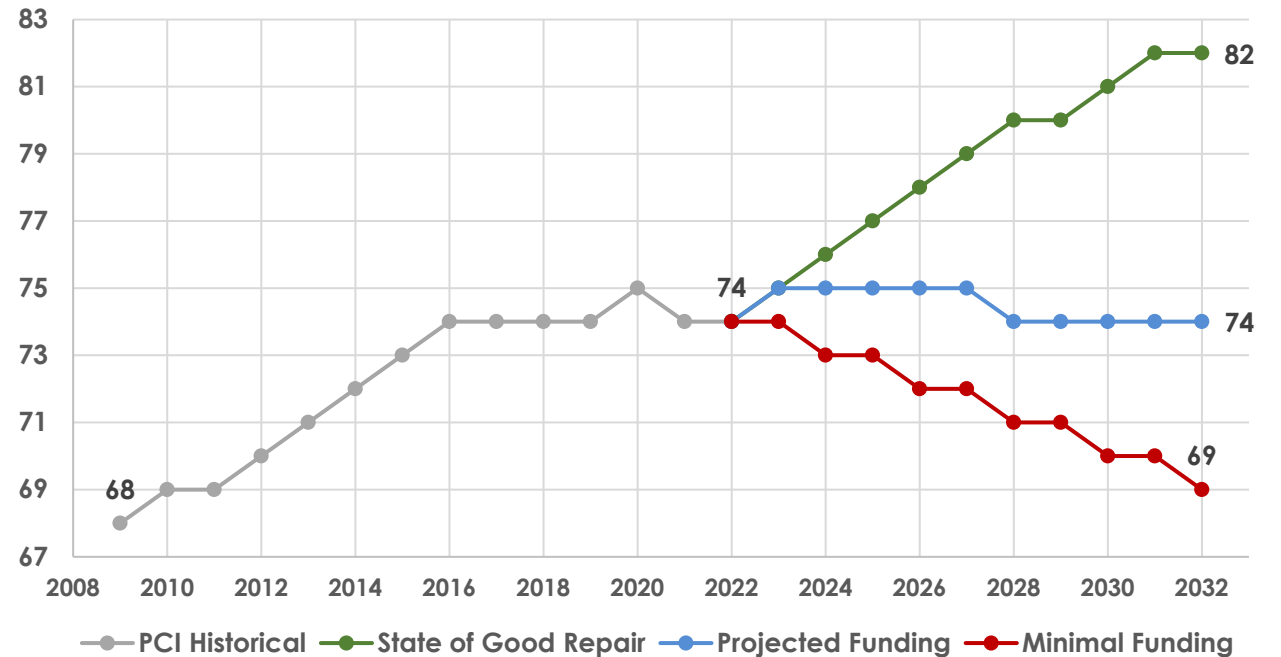




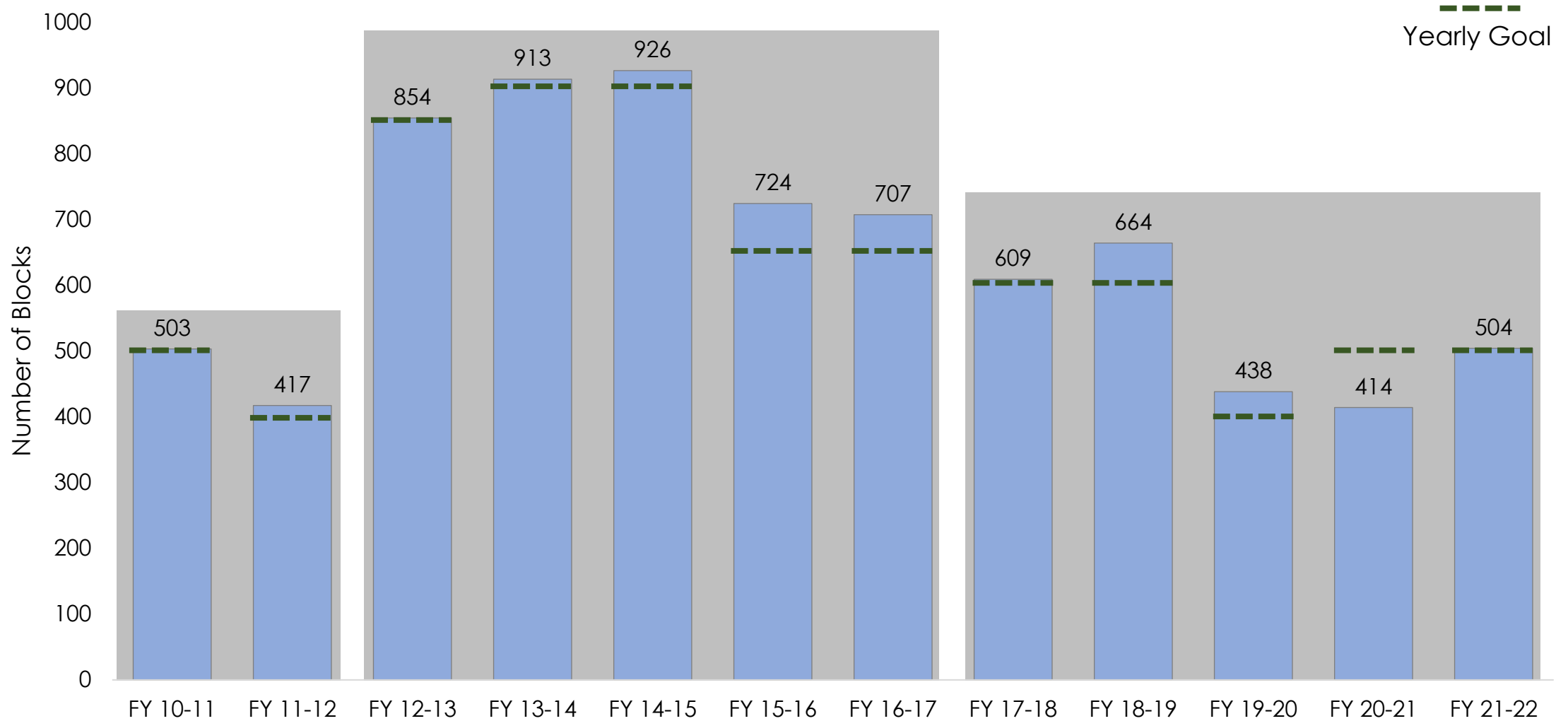
# Street Resurfacing Program: Pavement Condition Index (PCI) score



Year	Poor	At-Risk	Good / Excellent
2021	212	2,008	10,751
2020	251	1,983	10,737
2019	181	2,136	10,635
2018	200	2,334	10,398
2017	197	2,261	10,460
2016	202	2,846	9,844
2015	220	3,467	9,205
2014	293	3,871	8,716
2013	351	3,801	8,705



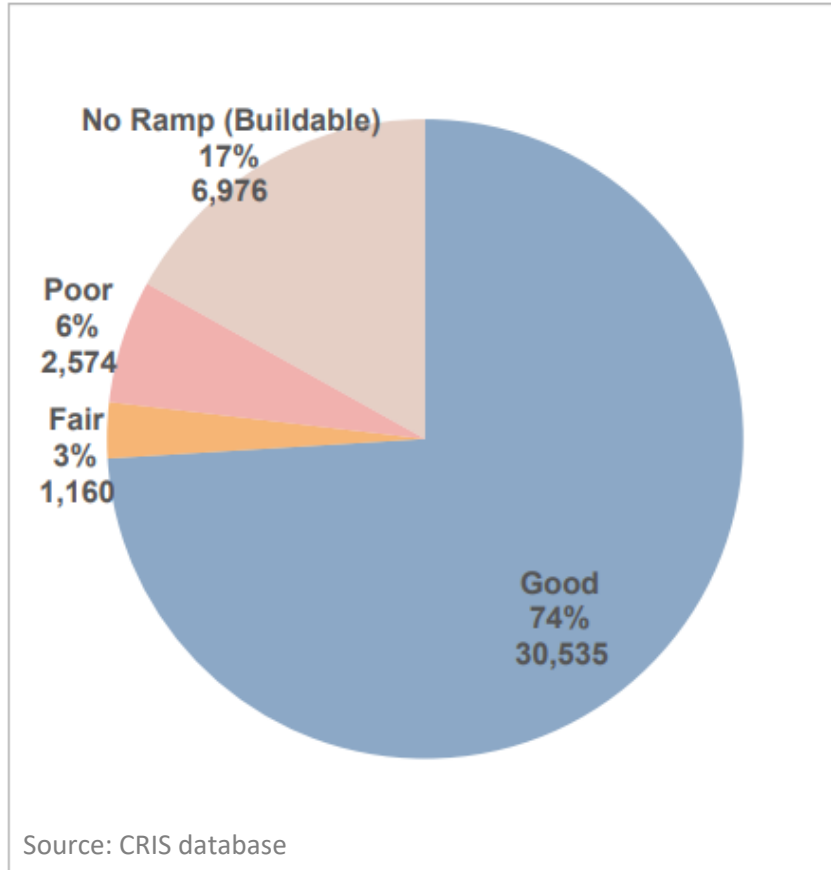
# Street Resurfacing Program: blocks resurfaced annually



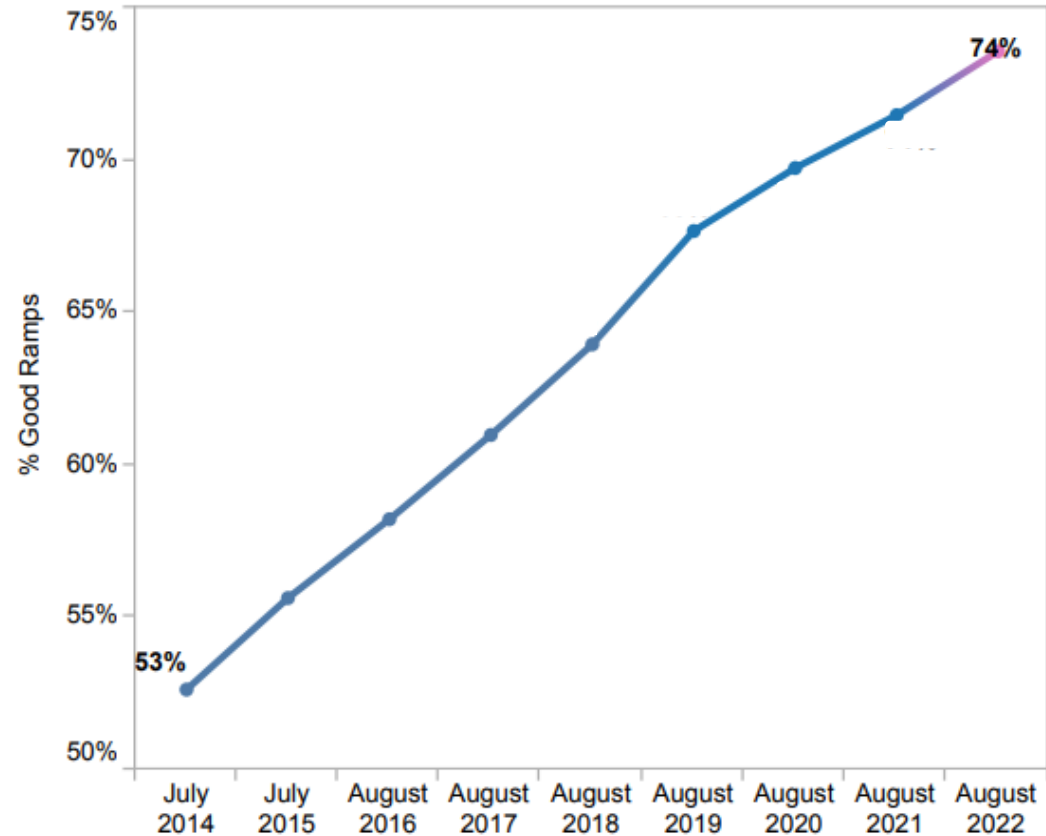


# Curb Ramp Program: curb ramps condition and condition score trends

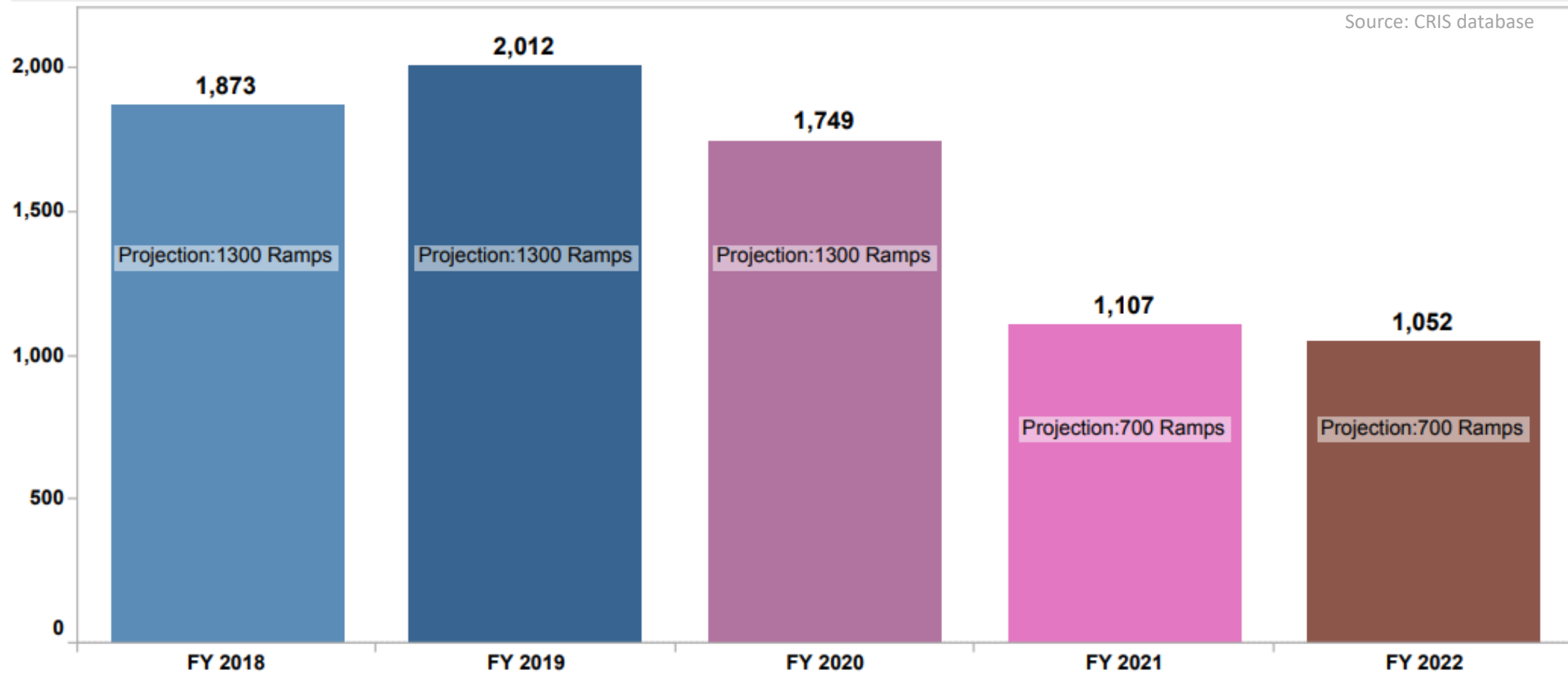
Locations – 41,245



Good Curb Ramps – Yearly Trend



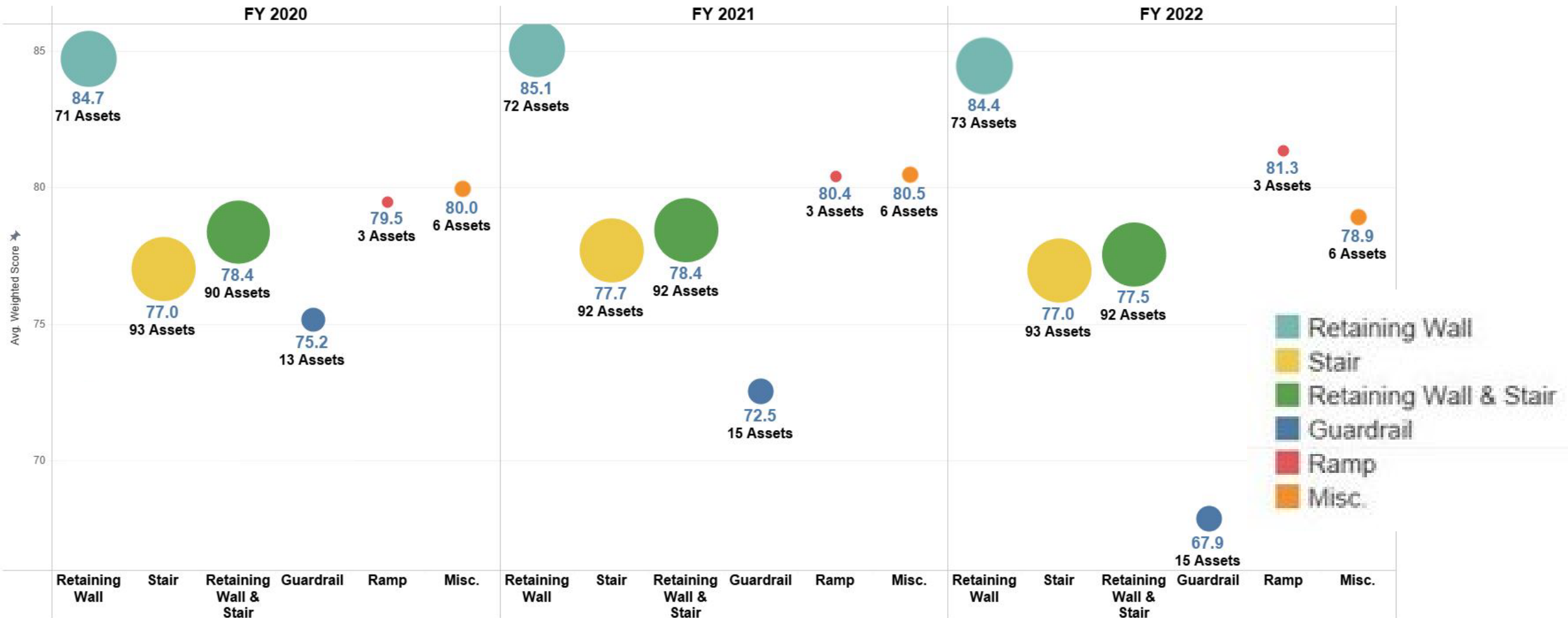
# Curb Ramp Program: annual projection and constructed by year



Reasons for downward trend in Curb Ramps:

- Pandemic related funding reduction in paving/curb ramp programs; temporary reduction in sewer program funds
- Over 70% of the ramps have been constructed resulting in fewer curb ramps to be built

# Street Structures Program: average score by asset



- Scores are weighted using the following criteria: Structural, Geotechnical, Code Conformance, & ADA Conformance
- Assets are typically inspected once every four years



**Thank you!**