

City of San Diego Five Year Capital Improvement Program and Contracting Opportunities

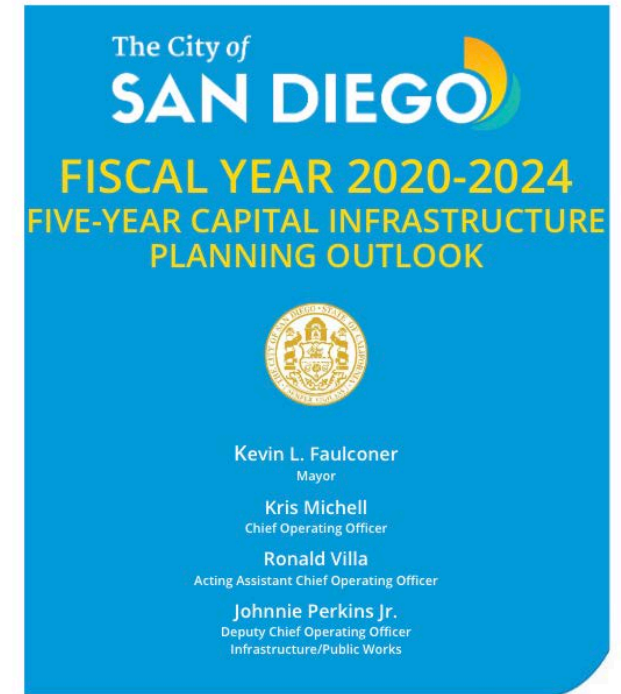
James Nagelvoort, PE
Director and City Engineer
Public Works
June 4, 2019

- **Introduce the 5YR CIP Outlook**

- Objective/Purpose
- Approach/Methodology
 - CIP Drivers
 - Revenue Sources
 - Key Assumptions
- Projected Capital Assets Needs & Anticipated Funding
- Funding Gap
- Running Trends
- Contributing Factors of Funding Gap

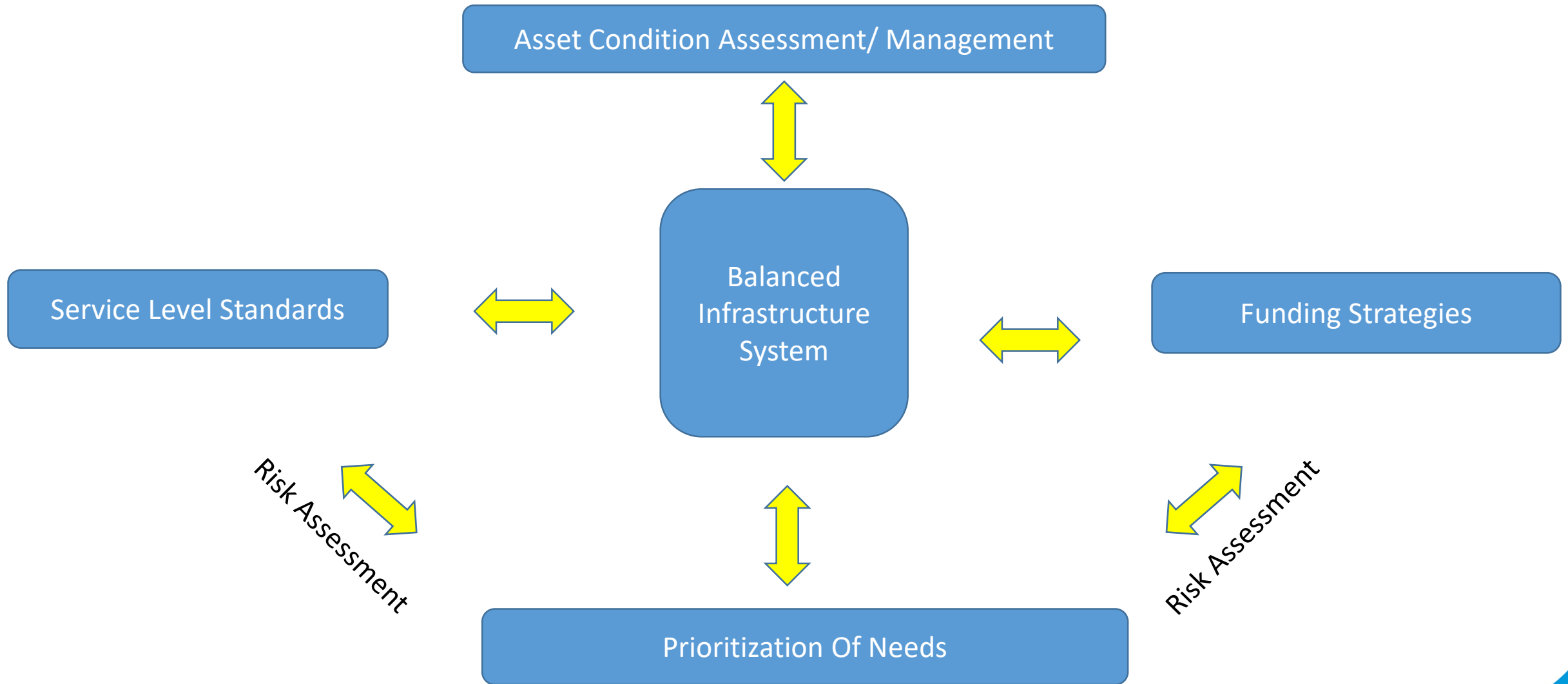
- **Contracting Opportunities**

- Contracting Methods
- Consulting
- Contractor
- Bidding City Contracts



- **Planning Tool (not a budget document) to Assists Elected Officials in:**
 - Budgeting decisions
 - Resource allocation to meet the Mayor's/City's strategic core service goals
 - Driving long term infrastructure planning
 - Monitoring and evaluating funding availability
- **Educate/Inform Public of Infrastructure Needs**
- **Facilitates FY2020 CIP Budget Development**

Objective of the Report



Objective of the Report

**Storm Water and
Water Quality**



Airports



Libraries



Wastewater System



Transportation



Park and Recreation

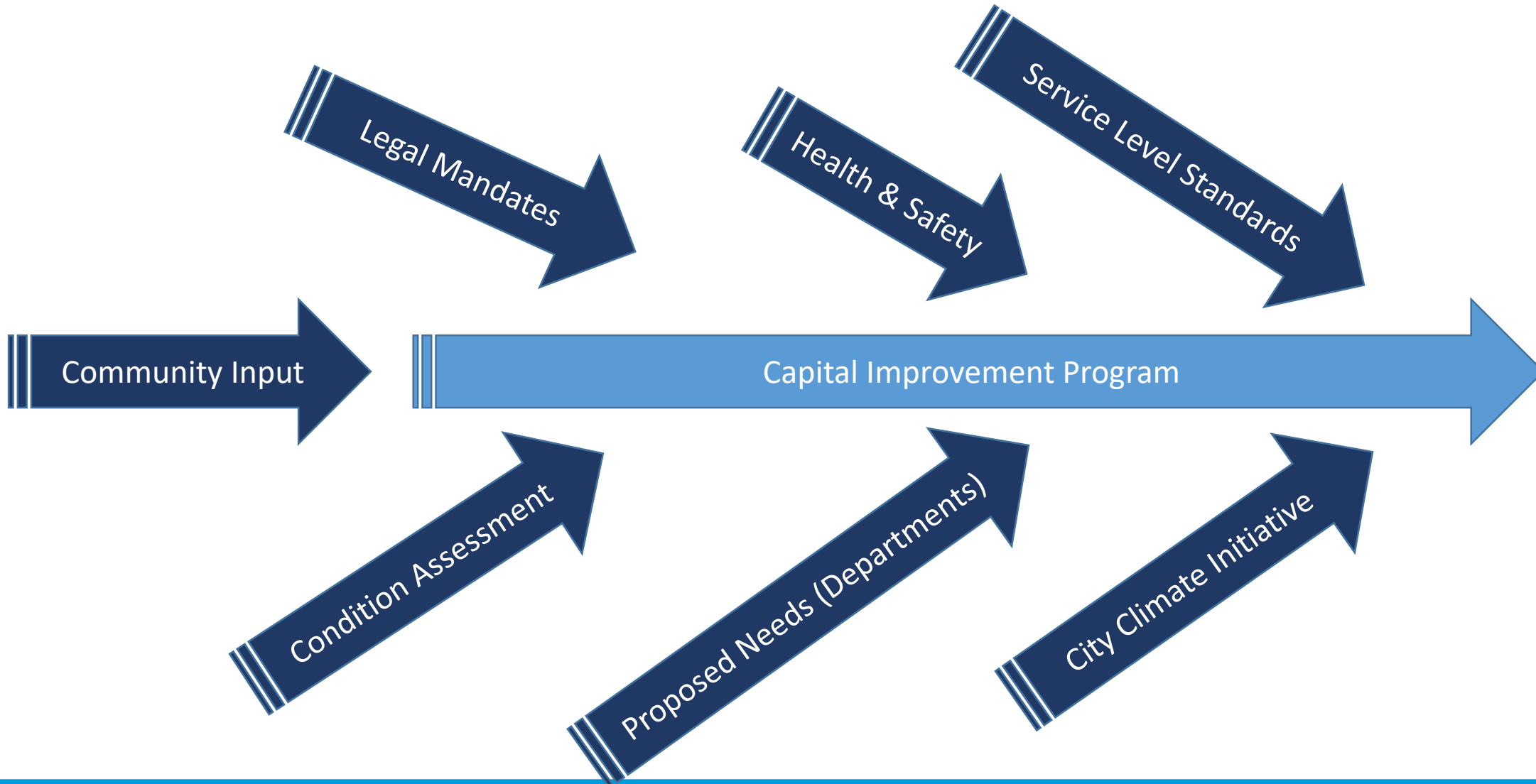


Water System

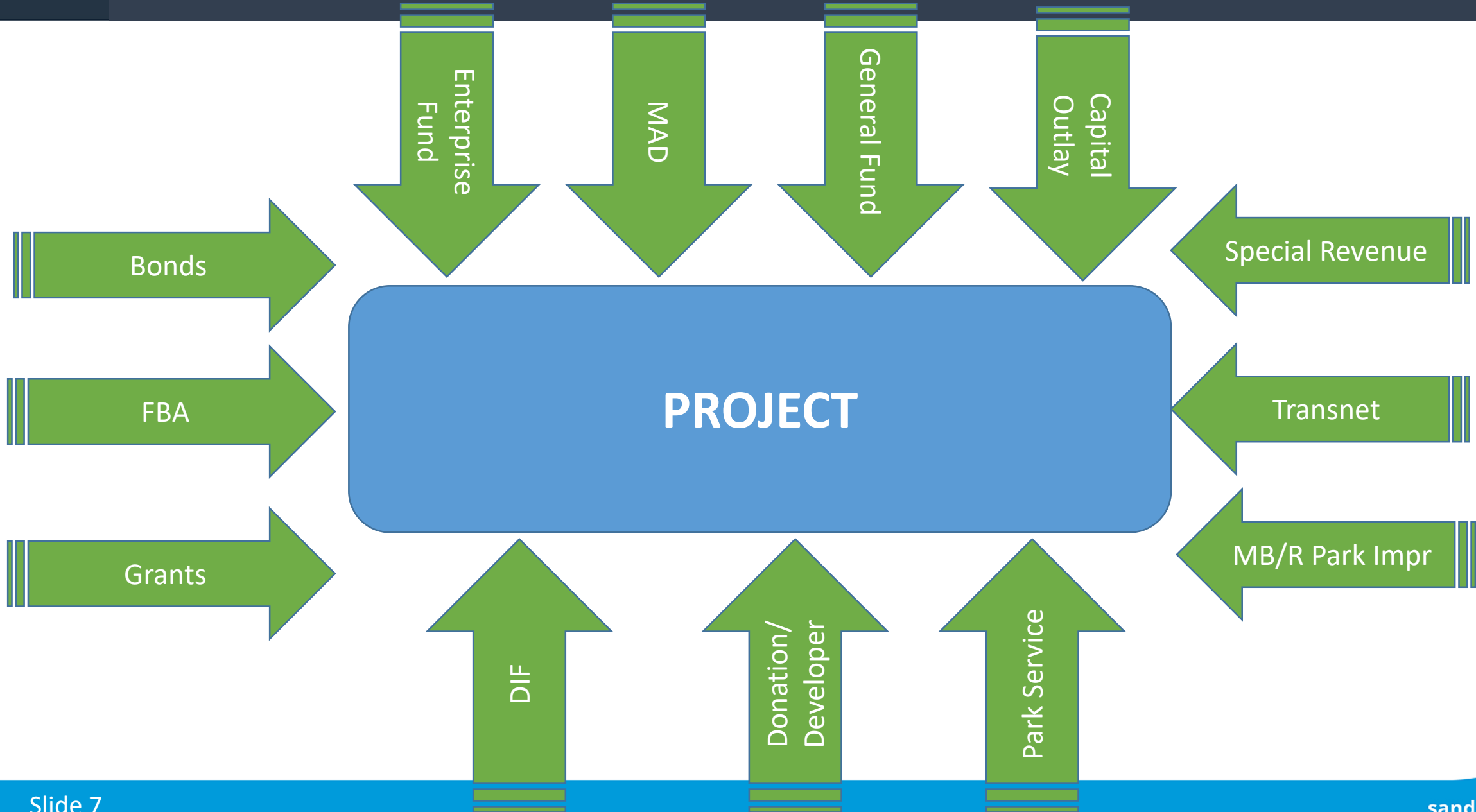


**Buildings and
Structures**





Approach/Methodology: Revenue Sources



- **Exclusions**

- Facilities Impacted by Rising Sea Level
- Convention Center Expansion
- Information Technology Improvements
- Non-CIP Deferred Maintenance and Minor Repair

- **Revenue Sources**

- Grants – reflected for the ones approved in the receiving year



Projected Capital Assets Needs

Asset Type	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total
Airports	1,500,000	7,500,000	2,800,000	2,000,000	-	13,800,000
Bike Facilities	45,780,000	25,180,000	19,050,000	19,431,000	19,820,000	129,261,000
Bridges	12,777,031	1,750,000	48,345,658	15,360,000	6,050,000	84,282,689
Existing Facilities	41,070,840	47,575,067	76,612,500	97,799,700	116,084,500	379,142,607
New Fire Stations	29,052,993	2,308,565	-	-	93,630,889	124,992,447
Fleet	-	-	-	-	-	-
Golf	1,700,000	1,200,000	100,000	-	-	3,000,000
Landfills	5,550,000	11,200,000	11,200,000	11,200,000	10,200,000	49,350,000
New Libraries	2,000,000	7,000,000	8,000,000	1,000,000	-	18,000,000
New Lifeguard Stations	-	-	-	-	17,319,697	17,319,697
Parks	23,421,674	77,206,226	35,042,366	30,580,652	62,236,670	228,487,588
New Police Stations	-	-	-	-	-	-
Pure Water - Potable Reuse	428,604,582	501,727,421	328,970,648	144,414,356	22,958,124	1,426,675,130
Stadium	-	-	-	-	-	-
Sidewalks	23,660,000	23,800,000	34,850,000	35,220,000	35,820,000	153,350,000
Storm Water	118,270,736	133,014,581	143,629,148	172,642,853	207,569,078	775,126,396
Streetlights	44,140,000	40,690,000	40,950,000	41,220,000	41,980,000	208,980,000
Streets and Roads - Modifications	20,561,580	49,003,496	9,805,993	22,582,106	8,900,000	110,853,175
Streets and Roads - Pavement	46,900,000	43,900,000	43,900,000	43,900,000	43,900,000	222,500,000
Traffic Signals and ITS	28,280,000	28,840,000	29,400,000	29,987,600	30,585,000	147,092,600
Wastewater	134,066,855	125,486,855	142,765,005	128,419,663	120,073,289	650,811,666
Water	240,970,155	182,027,242	148,925,217	144,035,220	139,879,208	855,837,043
Total Need	\$ 1,248,306,446	\$ 1,309,409,453	\$ 1,124,346,536	\$ 939,793,150	\$ 977,006,455	\$ 5,598,862,038



Projected Capital Assets Anticipated Funding

Asset Type	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total
Airports	1,500,000	7,500,000	2,800,000	2,000,000	-	13,800,000
Bike Facilities	5,055,000	-	-	-	-	5,055,000
Bridges	5,620,000	1,750,000	22,845,658	500,000	500,000	31,215,658
Existing Facilities	21,190,840	33,281,768	26,572,500	24,799,700	21,784,500	127,629,308
New Fire Stations	29,052,993	2,308,565	-	-	93,630,889	124,992,447
Fleet	-	-	-	-	-	-
Golf	1,700,000	1,200,000	100,000	-	-	3,000,000
Landfills	5,550,000	11,200,000	11,200,000	11,200,000	10,200,000	49,350,000
New Libraries	-	2,000,000	2,060,546	-	-	4,060,546
New Lifeguard Stations	-	-	-	-	-	-
Parks	19,346,674	10,904,700	12,312,366	10,363,848	13,699,323	66,626,911
New Police Stations	-	-	-	-	-	-
Pure Water - Potable Reuse	428,604,582	501,727,421	328,970,648	144,414,356	22,958,124	1,426,675,130
Stadium	-	-	-	-	-	-
Sidewalks	7,447,583	8,628,750	8,503,750	2,000,000	2,000,000	28,580,083
Storm Water	12,080,000	6,114,904	13,202,995	11,072,179	12,874,719	55,344,797
Streetlights	2,225,000	947,492	3,526,311	200,000	200,000	7,098,803
Streets and Roads - Modifications	19,267,287	8,520,000	8,686,000	7,520,000	7,550,000	51,543,287
Streets and Roads - Pavement	46,900,000	43,900,000	43,900,000	43,900,000	43,900,000	222,500,000
Traffic Signals and ITS	2,730,000	10,350,000	8,850,000	6,850,000	6,850,000	35,630,000
Wastewater	134,066,855	125,486,855	142,765,005	128,419,663	120,073,289	650,811,666
Water	240,970,155	182,027,242	148,925,217	144,035,220	139,879,208	855,837,043
Total Funding	\$ 983,306,969	\$ 957,847,696	\$ 785,220,997	\$ 537,274,966	\$ 496,100,052	\$ 3,759,750,679



Funding Gap – Needs vs Revenue

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total
Capital Needs	\$ 1,248,306,446	\$ 1,309,409,453	\$ 1,124,346,536	\$ 939,793,150	\$ 977,006,455	\$ 5,598,862,038
Funding	983,306,969	957,847,696	785,220,997	537,274,966	496,100,052	3,759,750,679
Gap	\$ 264,999,477	\$ 351,561,756	\$ 339,125,539	\$ 402,518,184	\$ 480,906,403	\$ 1,839,111,359

Funding Gap - Breakdown

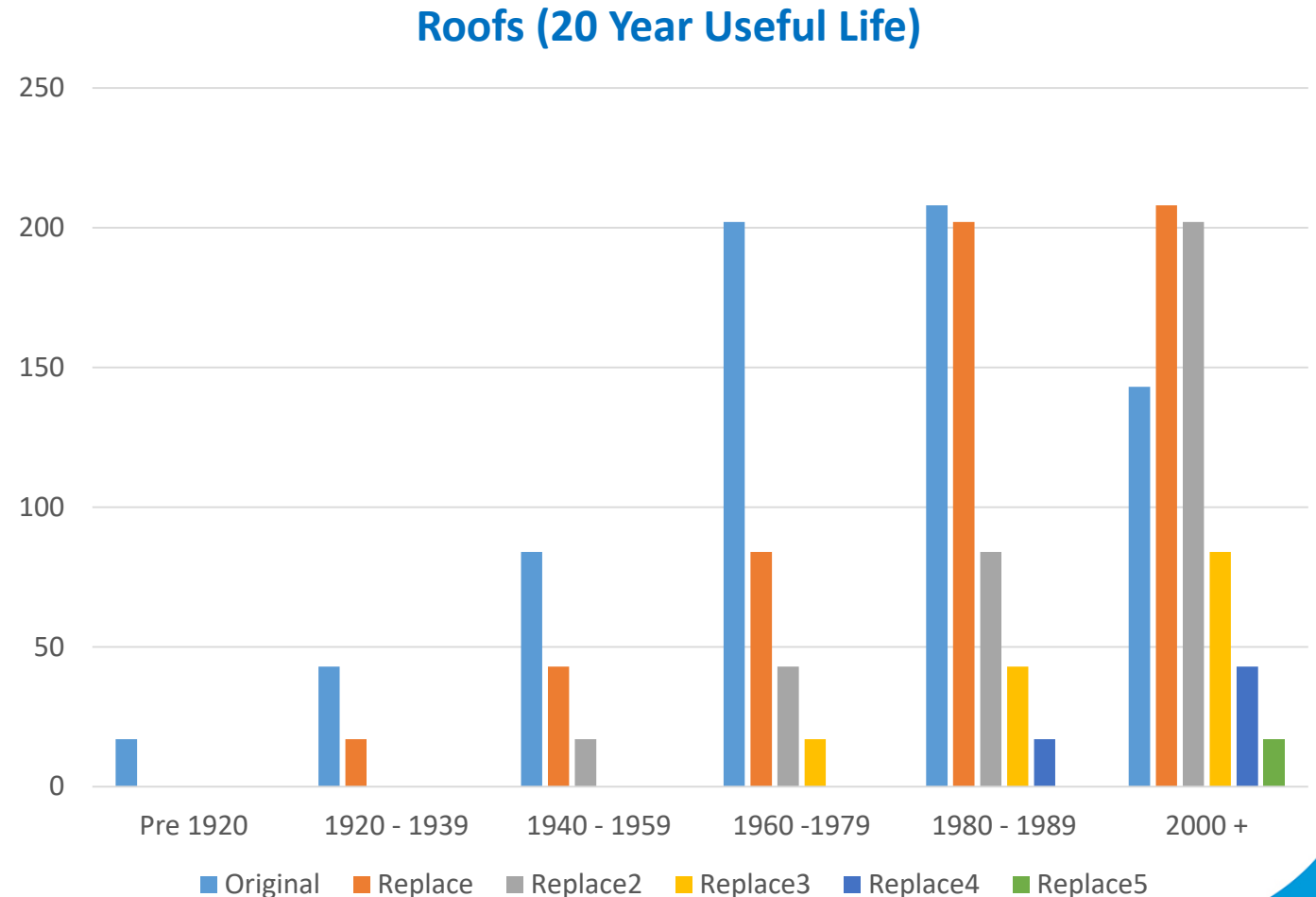
General Fund Asset Gap						
	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total
Asset Type						
Bike Facilities	40,725,000	25,180,000	19,050,000	19,431,000	19,820,000	124,206,000
Bridges	7,157,031	-	25,500,000	14,860,000	5,550,000	53,067,031
Existing Facilities	19,880,000	14,293,299	50,040,000	73,000,000	94,300,000	251,513,299
New Fire Stations	-	-	-	-	-	-
New Libraries	2,000,000	5,000,000	5,939,454	1,000,000	-	13,939,454
New Lifeguard Stations	-	-	-	-	17,319,697	17,319,697
Parks	4,075,000	66,301,526	22,730,000	20,216,804	48,537,347	161,860,677
New Police Stations	-	-	-	-	-	-
Stadium	-	-	-	-	-	-
Sidewalks	16,212,417	15,171,250	26,346,250	33,220,000	33,820,000	124,769,917
Storm Water	106,190,736	126,899,677	130,426,153	161,570,674	194,694,359	719,781,599
Streetlights	41,915,000	39,742,508	37,423,689	41,020,000	41,780,000	201,881,197
Streets and Roads - Modifications	1,294,293	40,483,496	1,119,993	15,062,106	1,350,000	59,309,888
Streets and Roads - Pavement	-	-	-	-	-	-
Traffic Signals and ITS	25,550,000	18,490,000	20,550,000	23,137,600	23,735,000	111,462,600
Total Gap	\$ 264,999,477	\$ 351,561,756	\$ 339,125,539	\$ 402,518,184	\$ 480,906,403	\$ 1,839,111,359
Non-General Fund Asset Gap						
	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total
Asset Type						
Airports	-	-	-	-	-	-
Fleet	-	-	-	-	-	-
Golf	-	-	-	-	-	-
Landfills	-	-	-	-	-	-
Pure Water - Potable Reuse*	-	-	-	-	-	-
Wastewater*	-	-	-	-	-	-
Water*	-	-	-	-	-	-
Total Gap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

5-Yr Capital Outlook	Capital Needs	Funding	GAP
FY16 - FY20	\$3.87B	\$2.16B	\$1.70B
FY17 - FY21	+0.37B ↑ \$4.24B	+0.69B ↑ \$2.85B	-0.31B ↓ \$1.39B
FY18 - FY22	+0.06B ↑ \$4.30B	+0.17B ↑ \$3.00B	-0.12B ↓ \$1.27B
FY19 - FY23	+0.07B ↑ \$4.37B	-0.23B ↓ \$2.80B	+0.30B ↑ \$1.58B
FY20 – FY24	+1.23B ↑ \$5.60B	+0.96B ↑ \$3.76B	+0.26B ↑ \$1.84B

- **Rising Construction Bids**

- Supply and Demand
- Skilled Labor
- Materials

- **Aging City**



- **Consultant**

- As-needed Consultant Services
- Stand Alone/Project Specific

- **Contractor**

- Design-Bid-Build (DBB)
- Job Order Contracting (JOC)
- Emergency Contractor Rotation List
- Construction Manager @ Risk

- **Consultant/Contractor**

- Design-Build (DB)
- Multiple Award Construction Contracting (MACC)



- **Types of Needs**

- Specialty Services
- Augmentation of City Staff

- **Typical Services Contracted Out**

- Design: Civil, Mechanical, Electrical, Architectural, Traffic, Geotechnical
- Environmental
- Construction Management
- Surveying

- **Volumes**

- FY2019 (from 7/2018 through 5/2019): 23 Contracts for \$222M
- FY2018: 42 Contracts for \$143M
- FY2017: 47 contracts for \$145M
- FY2016: 57 Contracts for \$202M

- **Types of Projects**

- Water, Sewer, and Storm Water Pipeline Repair/Replacement
- Road Resurfacing & Sidewalk
- Pump Station & Treatment Plant Repairs/Expansions
- Bridge Repairs/Retrofits
- Park Improvements
- Water Quality Improvements
- Structures: Libraries, Fire Stations, Comfort Stations, Life Guard Towers, Police Stations

- **Volumes**

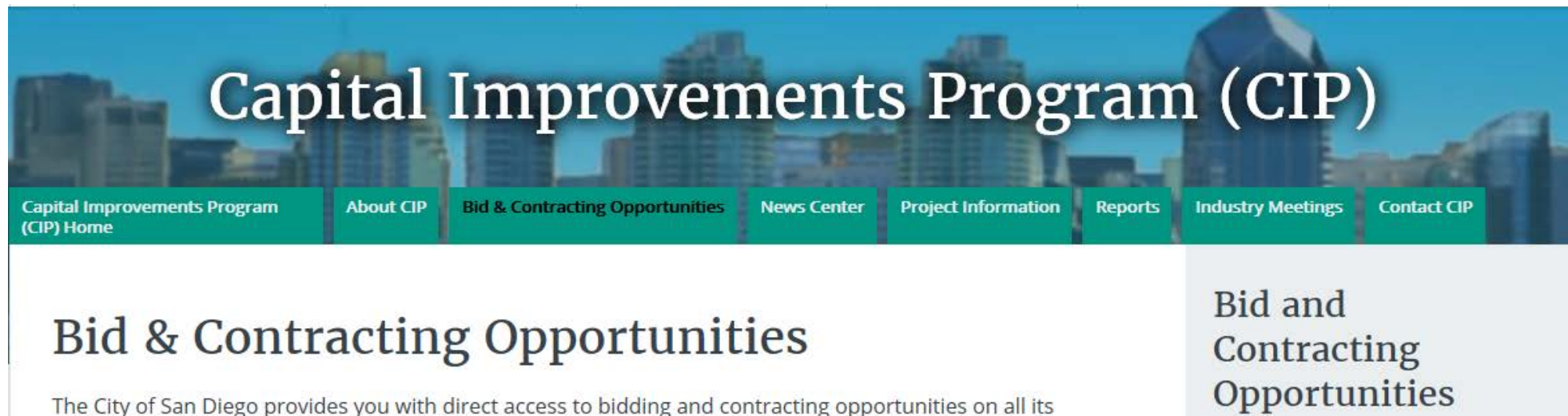
- FY2019 (from 7/2018 through 2/2019): 59 Contracts for \$197M
- FY2018: 80 Contracts for \$492M
- FY2017: 85 contracts for \$337M
- FY2016: 127 Contracts for \$482M

Advertisement

City Website, Capital Improvements Program (CIP)

<https://www.sandiego.gov/cip/bidopps>

PlanetBids: <https://www.planetbids.com/portal/portal.cfm?companyID=17950>





Contracting Opportunities: Bidding City Contracts

Prime Contractor Prequalification Program

Up to \$500,000 (SLBE Program)	Up to \$15,000,000	\$15,000,000+
✓ Complete Questionnaire	✓ Complete Questionnaire	✓ Complete Questionnaire
✓ Bond letter stating firm's single project & aggregate bonding limits	✓ Bond letter stating firm's single project & aggregate bonding limits	✓ Bond letter stating firm's single project & aggregate bonding limits
✓ Financial Statement	✓ Reviewed Financial Statement	✓ Audited Financial Statement

For prequalification assistance:

<https://www.sandiego.gov/cip/bidopps/prequalification>

Equal Opportunity Contracting

Program Overview:

- Focus on Diversity & Non-Discrimination
- Small Local Business Enterprise (SLBE) Program

Program Requirements:

- Submittal of Work Force Reports and/or Equal Employment Opportunity (EEO) Plan prior to Contract Award
- SLBE program applied to City funded Construction and A&E contracts

Subcontracting Opportunities:

- 20% Goal on A&E Contracts; preference points awarded for SLBE sub participation
- Mandatory SLBE Goals on MACC Contracts (No GFE)
- SLBE goals or GFE on construction projects over \$500k

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THANK YOU!

James Nagelvoort, PE
Director and City Engineer
Public Works
June 4, 2019