



# SAN BRUNO RECREATION & AQUATIC CENTER

Advisory Committee Update

July 20, 2022



# AGENDA

## 1. Construction Update and Look Ahead Schedule

- a) Project Information Update
- b) Completed To Date
- c) Change Order Report / Budget Update
- d) Schedule Update
- e) What's Happening Next 30 Days
- f) Crystal Spring / Oak Street / City Parkway Intersection  
Improvement Update
- g) Solar PV Update

## 2. Questions

# Construction Update and Look Ahead Schedule



## PROJECT INFORMATION



**Start Date:** September 2021



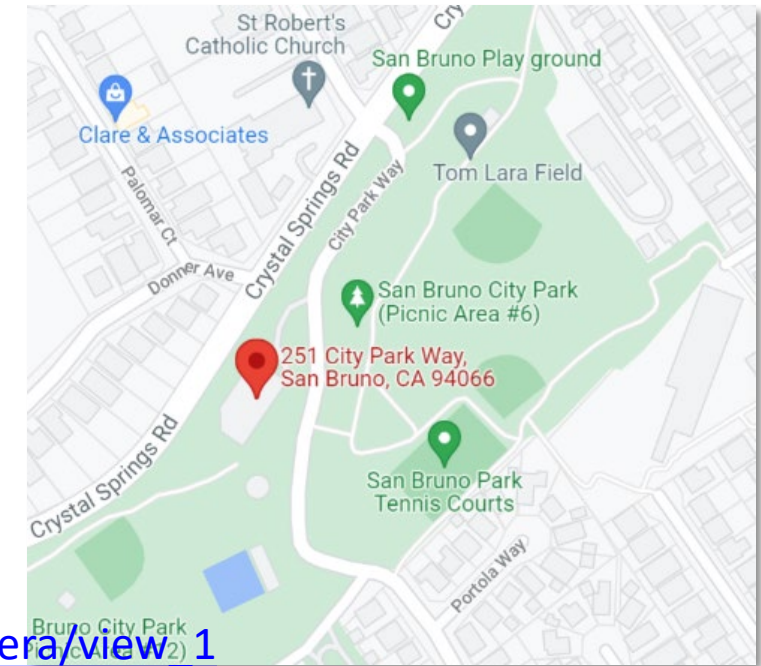
**Project Completion:** Fall 2023



**Estimated Cost Completed To Date:** 24% (June 2022)



**EarthCam Link:** [https://share.earthcam.net/RecCenterBuild/rec\\_center\\_build/camera/view/1](https://share.earthcam.net/RecCenterBuild/rec_center_build/camera/view/1)



# Construction Update and Look Ahead Schedule

*COMPLETED TO DATE (Through 07/19/22)*



June 15, 2022



July 19, 2022



# Construction Update and Look Ahead Schedule

**COMPLETED TO DATE (Through 07/19/22)**



**June 27, 2022 – Concrete Foundation Pour**

# Construction Update and Look Ahead Schedule

## *COMPLETED TO DATE (Through 07/19/22)*



July 16, 2022 – Foundation Stem Wall / Anchor Bolts

# Construction Update and Look Ahead Schedule

## *COMPLETED TO DATE (Through 07/19/22)*



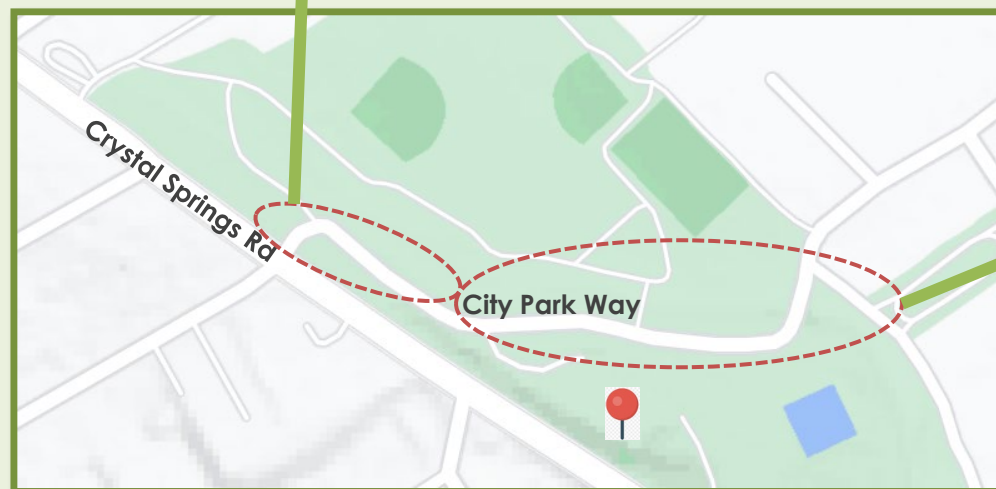
**Underground related work (Plumbing and Electrical)**

# Construction Update and Look Ahead Schedule

## *COMPLETED TO DATE (Through 07/19/22)*



**CREEK REALIGNMENT WORK**



# Construction Update and Look Ahead Schedule

***COMPLETED TO DATE (Through 07/19/22)***

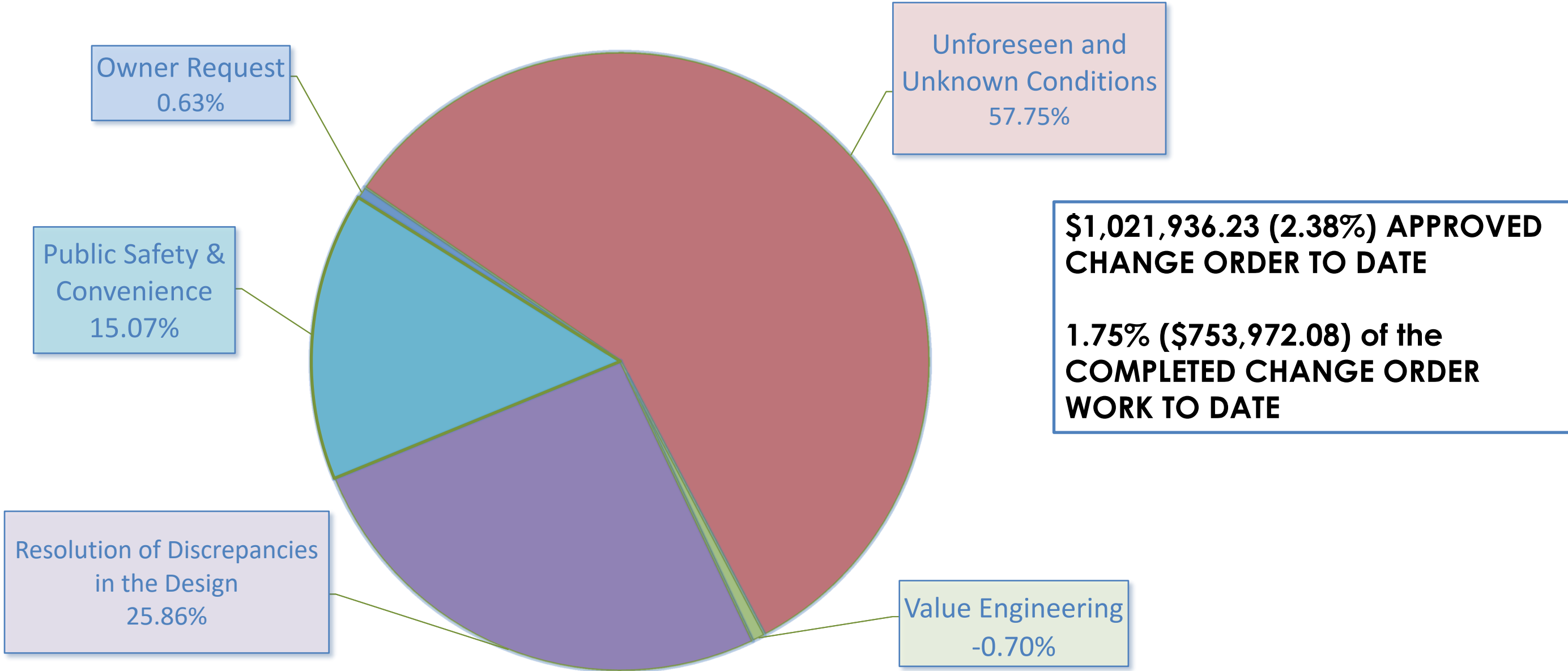


**DUCTILE IRON PIPE DELIVERY**  
**Water Line Trenching – Crystal Spring**





## Change Order Report



# Construction Update and Look Ahead Schedule



## Project Budget Update

### Total Project Budget:

- \$60,540,228.00

### Total Expenses To Date:

- \$19,411,941.96 (32.06%)

### Pre-Construction Phase Cost Total:

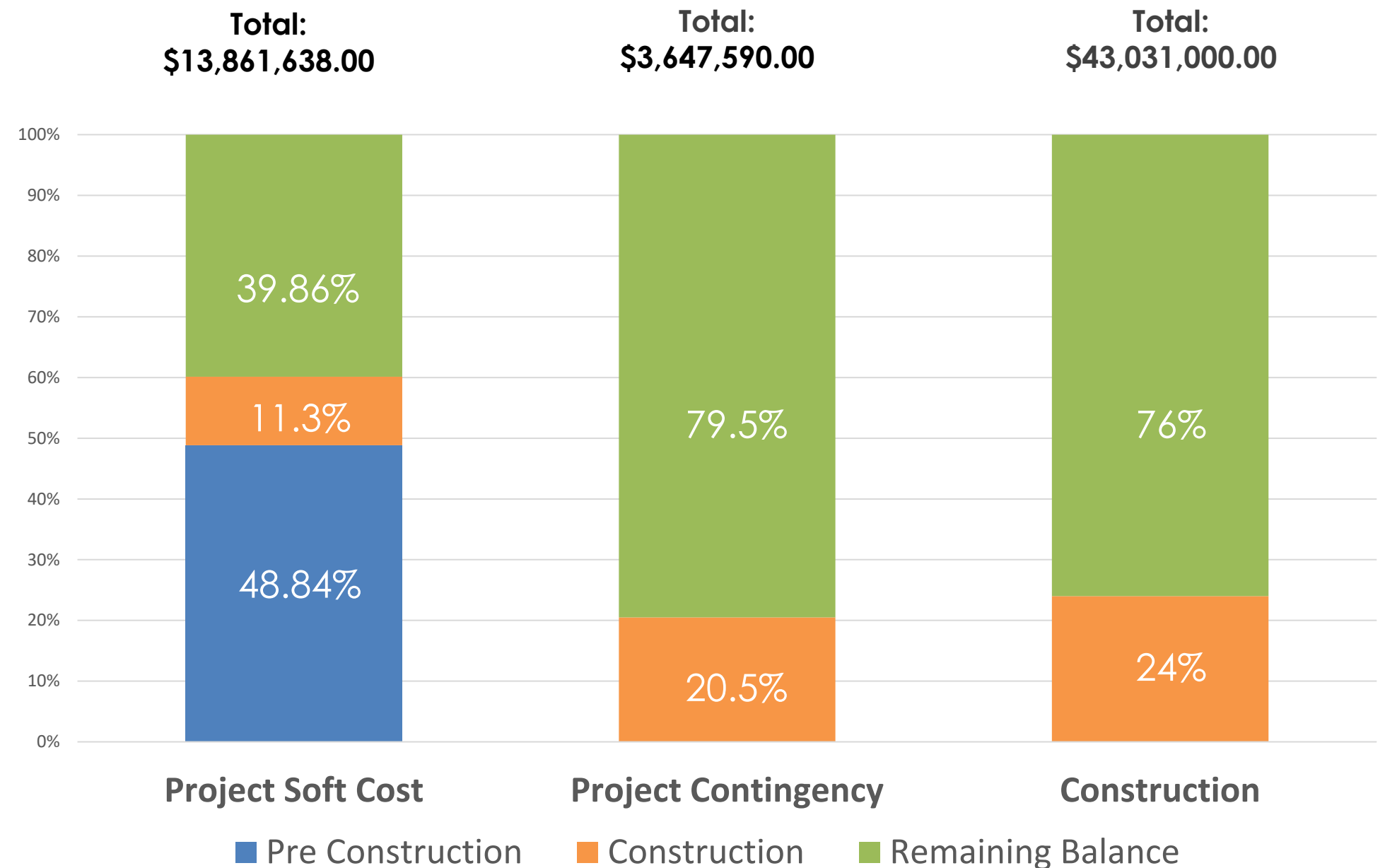
- \$6,770,384.00

### Construction Phase Cost To Date:

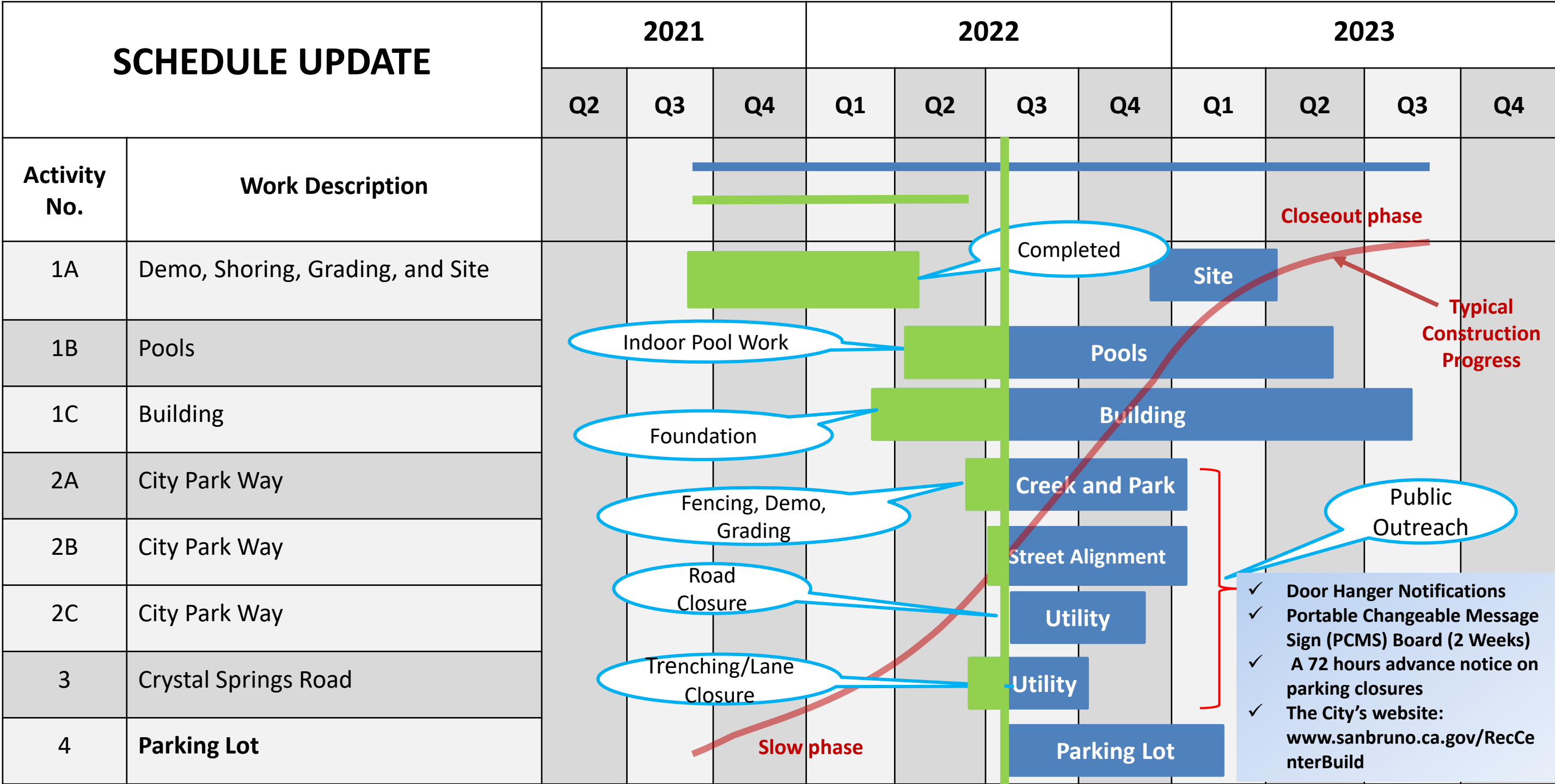
- \$12,641,557.96

### SOFT COSTS

- Design (Group 4)
- Environmental
- Project Manager (CPM Associates)
- Construction Manager (Griffin Structures)
- Geotechnical, T&I, Waterproofing, Commissioning Services
- Lara Field Parking Lot
- Traffic Signals, Sewer, Water, Sidewalk, CityNet Fiber
- Temporary Space During Construction
- Furniture Fixtures and Equipment
- Electronic systems and special equipment
- Utility company connection and services
- Fees/ Administration/ Business Plan

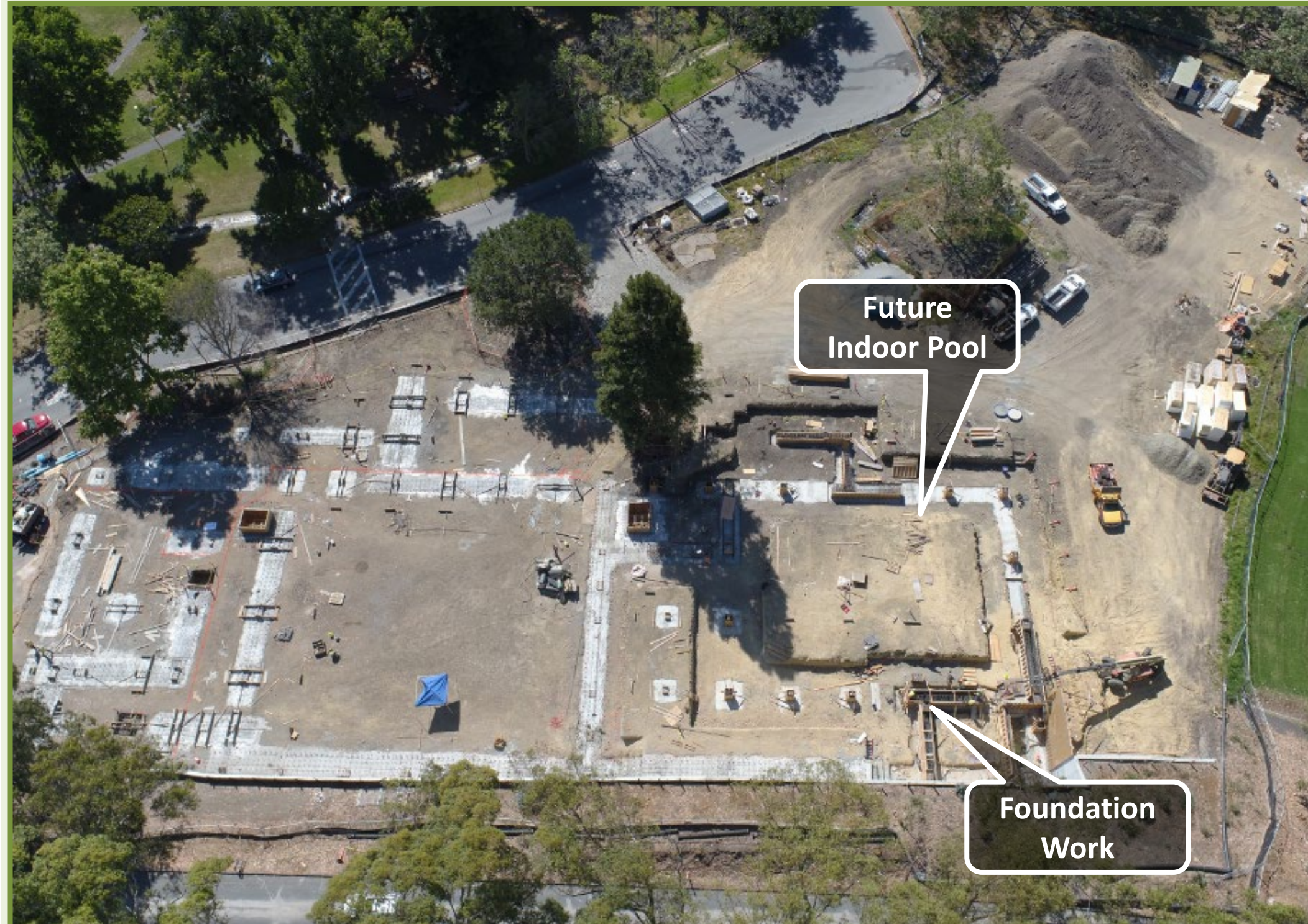


# Construction Update and Look Ahead Schedule



# Construction Update and Look Ahead Schedule

## *WHAT'S HAPPENING NEXT 30 DAYS?*



### ONSITE WORK

- Foundation Work
- Pool Related Work
- Under Slab Utility (plumbing and Electrical)
- Steel Frames Delivery and Erection

# Construction Update and Look Ahead Schedule



## *WHAT'S HAPPENING NEXT 30 DAYS?*



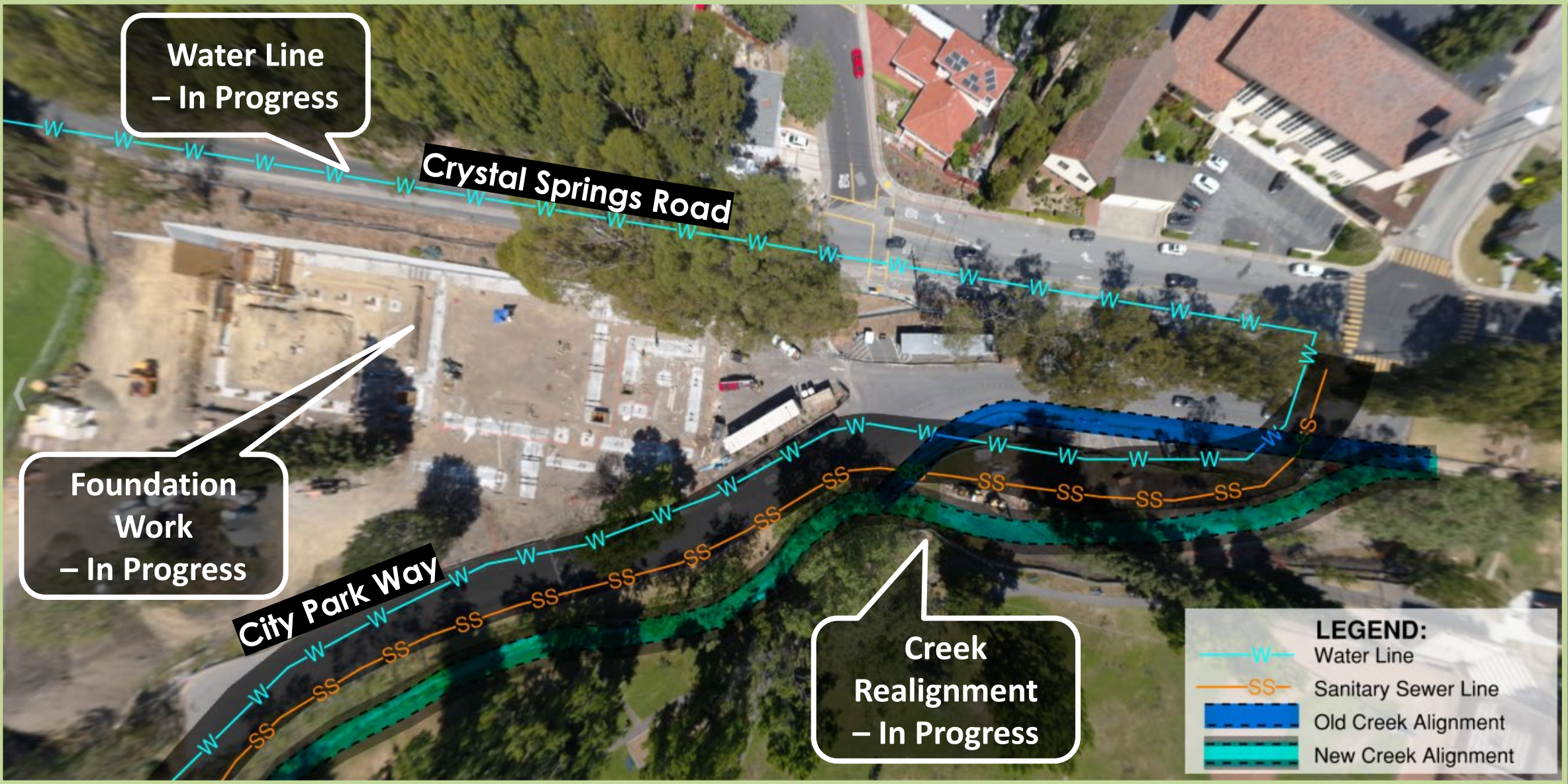
### Building Framing System

- Steel Framed are In Fabrication
- Expected installation 1<sup>st</sup> week of August

# Construction Update and Look Ahead Schedule



## WHAT'S HAPPENING NEXT 30 DAYS?



### OFFSITE WORK

- City Parkway Road Closure start August 1, 2022
- Creek Realignment
- City Park Way Realignment
- Street Utility Work (Water, Sewer & Storm)
- Public Outreach
  - Partial Park Closure
  - Picnic Areas
  - City Park Way Closure
  - Crystal Spring Lane Closure

# Construction Update and Look Ahead Schedule



## WHAT'S HAPPENING NEXT 30 DAYS?

Activities	Anticipated Dates
Updated Message Boards/ Post No Parking Signage	7/18/22
Crystal Springs Rd 10" Piping (one-lane closure)	7/18/22 – 7/29/22
City Park Channel Relocation	7/18/22 – 10/6/22
<b>City Park Way Road Closure</b>	<b>8/1/22 – 12/12/22</b>
City Park Way Sewer Main	8/1/22 – 9/13/22 (SS tie-in is 9/7/22)
City Park Way Storm Drain	9/7/22 – 9/27/22
Crystal Springs Connected 10" waterline to existing	10/10/22
City Park Way Site Lighting	10/4/22 – 12/6/22
City Park Way Paving/Landscaping Finishes	10/18/22 – 12/12/22

Dates are subject to change.

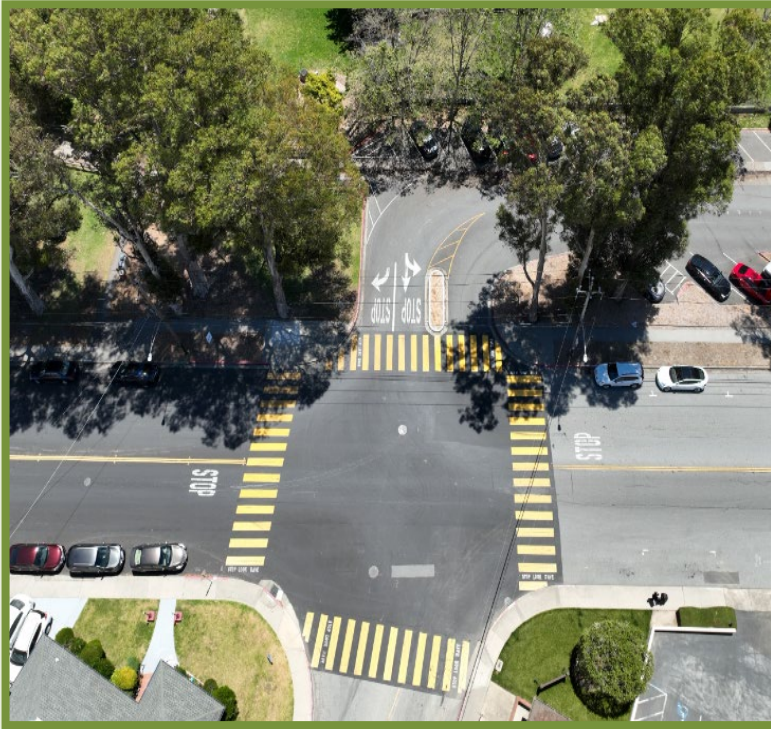


# Crystal Spring / Oak Street / City Parkway

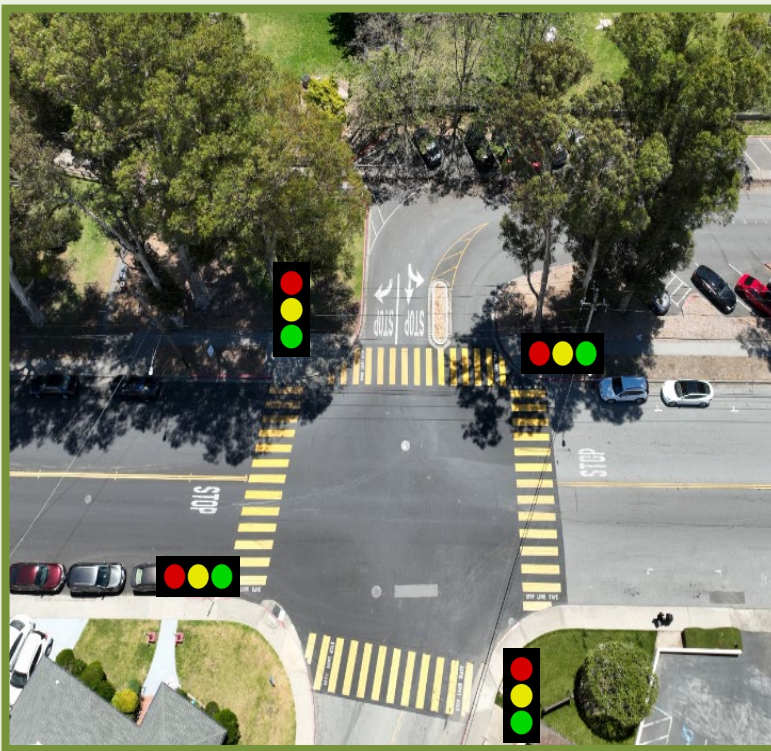


## Intersection Improvement Project Update

CEQA Mitigation Measures for the Recreation and Aquatic Center Intersection Control Evaluation  
By DKS



All Way Stop (existing) - AWS



Traffic Signal System - TSS

### EXISTING

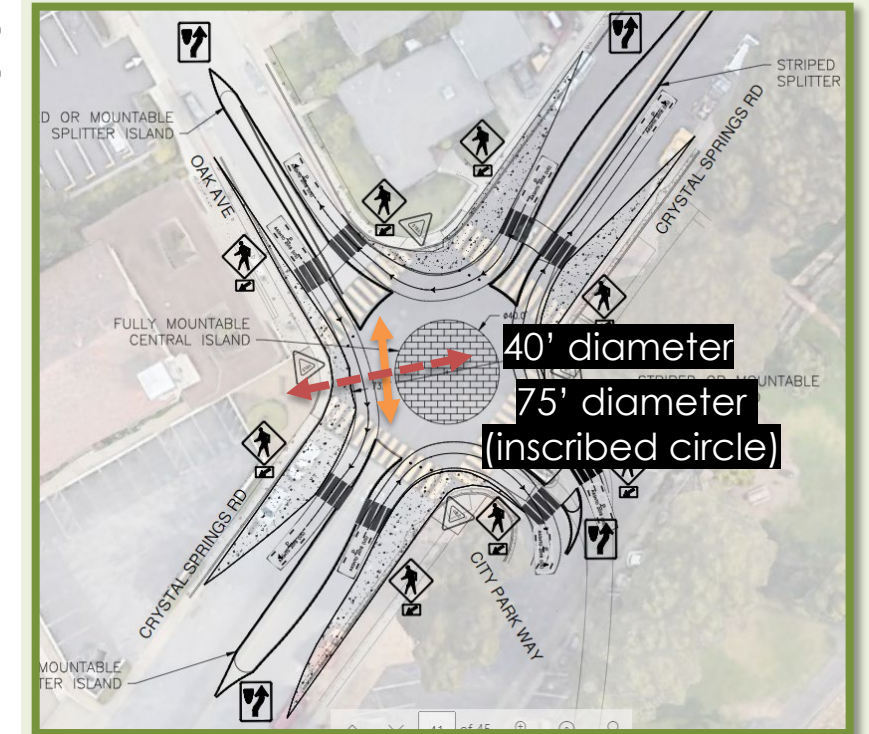
Four-legged intersection ALL WAY STOP - OAK (25 MPH)/City Park Way (15 MPH) and Crystal Spring (25 MPH)

### TRAFFIC DATA

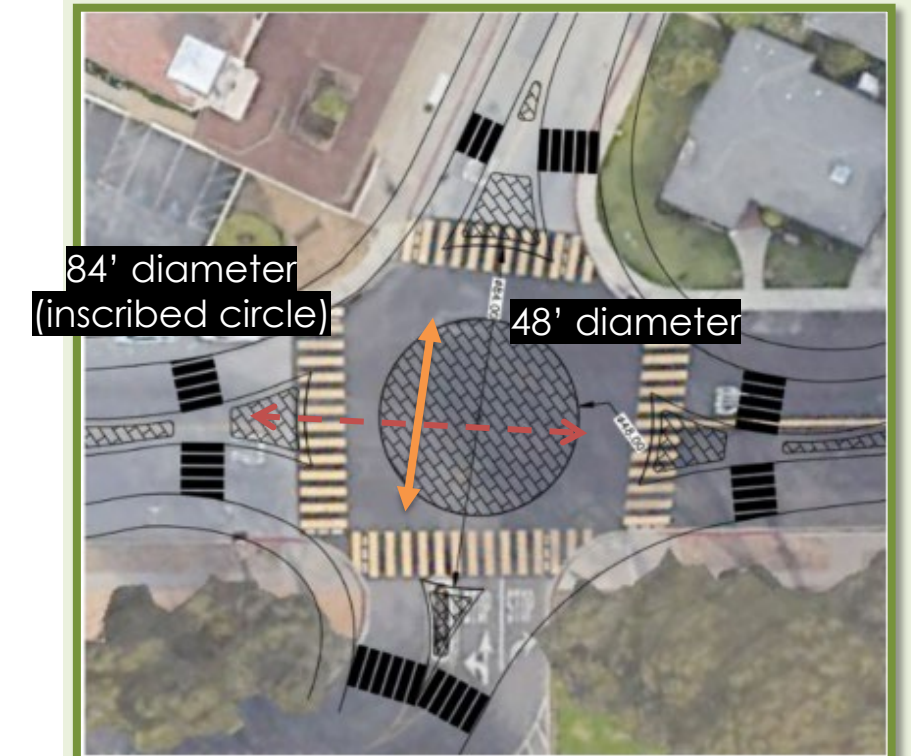
January 2019 (Pre-pandemic traffic)  
AM/PM Peak

### BASIS OF EVALUATION

1. Delay (LOS)
2. Safety
3. Cost - Safety Benefit-Cost-Ratio (BCR)



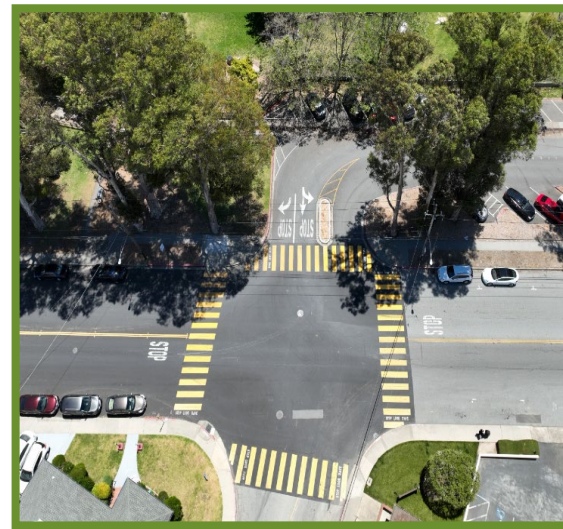
Mini Roundabout – MRA



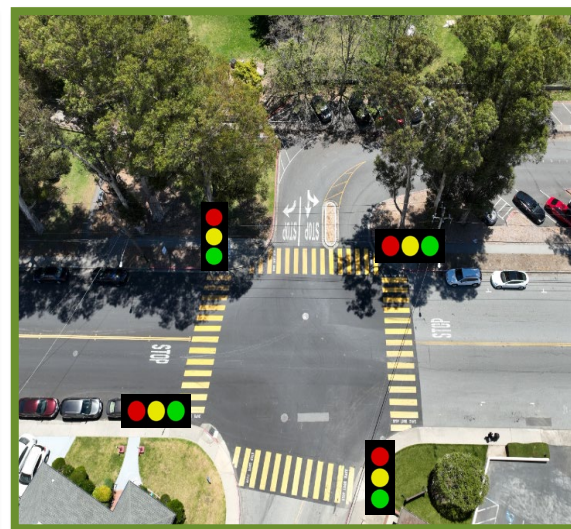
Single-Lane Roundabout – RA-1



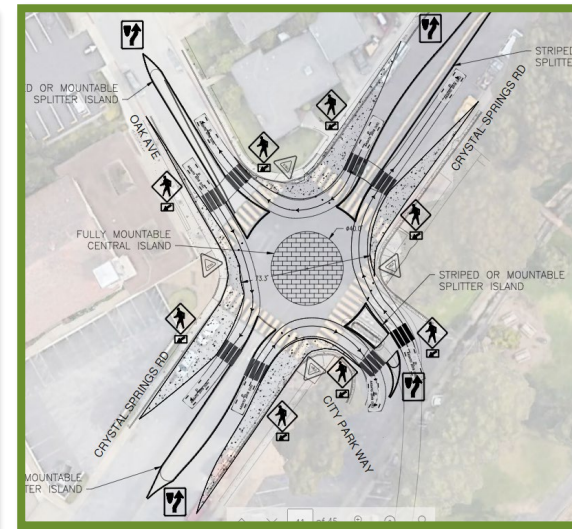
# Intersection Control Evaluation (By DKS)



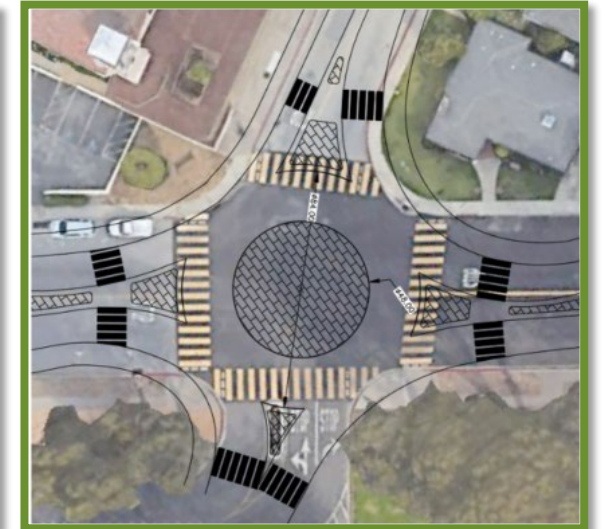
All Way Stop (existing)



Traffic Signal System (TSS)



Mini Roundabout (MRA)



Single-lane Roundabout (RA-1)

<p>Cost</p>	<p>Lowest cost Maintenance Cost: \$331/year</p>	<p>Construction Cost: \$650K Maintenance Cost: \$8000/yr</p>	<p>Construction Cost: \$950K Maintenance Cost: \$3,300/yr</p>	<ul style="list-style-type: none"> <li>• Construction Cost: Considerably higher than mini roundabout</li> <li>• Operational cost: Comparable to mini roundabout</li> </ul>
<p>Level of Service</p>	<p>Currently: "E" Year 2024: "F"</p>	<p>Year 2022: "B" Year 2042: "D" - AM &amp; "C" - PM</p>	<p>Year 2022: "B" Year 2042: "F"</p>	<p>Year 2022: "B" Year 2042: "F"</p>
<p>Safety</p>	<p>Least safety</p>	<ul style="list-style-type: none"> <li>• Easier to construct</li> <li>• Visually-impaired friendly</li> <li>• Inferior to roundabout</li> </ul>	<ul style="list-style-type: none"> <li>• Safest alternative</li> <li>• Pedestrian &amp; bike friendly</li> <li>• Larger Vehicle to drive over the circle</li> <li>• Lack audible cues for visually impaired pedestrians</li> </ul>	<ul style="list-style-type: none"> <li>• Comparable to MRA</li> <li>• Roundabouts lack audible cues for visually impaired pedestrians</li> </ul>



# Next Step

**August 3, 2022 – Traffic Engineer to ask Traffic Safety and Parking Committee for recommendation**

**September 2022 - Staff to ask Approval or Directions from City Council**

**Goal: Construction to begin May/June 2023**



# Solar PV Update



Motion to set a  
Public Hearing date  
for June 28, 2022

City to review PPA

PCE to execute  
contract with  
equipment providers

June 14, 2022  
(City Council)

June 28, 2022  
(City Council)

July/August 2022

September 2022

November 2022

January 2023

Adopt Resolution:  
"Authorizing City  
Manager to enter  
into PPA with PCE"

PPA Execution with  
City Attorney Sign off  
and City Manager  
signature

Coordination of  
install with RAC  
Construction



# Power Purchase Agreement (PPA)

- Solar Energy Industry Association (SEIA) standard Commercial & Industrial PPA contract
  - City Special Council to review PPA
- 20-year term
  - Maintenance and operations included
  - Minimum solar production guarantee
  - Specified rate for energy generated by the Solar Panel System
- End of term options:
  - Purchase equipment at Fair Market Value (required by tax laws)
  - Request Peninsula Clean Energy remove system
  - Explore other contract options, such as extension of PPA

## Projected 20 Year PPA Savings at RAC

Site	Estimates Total Electric Bill Savings (\$/yr)	Estimated Equipment & Administrative Cost (\$/yr)	Net Savings to Customer	20 Year Savings
San Bruno Aquatics Center	\$88k	\$52k	\$36k	\$1.4M

### Assumptions:

- Rate and building load assumed, and no historical demand charge data to estimate demand savings
- Yearly costs/savings based on 20-year project life
- Actual equipment and installation costs assumed
- 20 Year Savings Assumes NPV at 2%, with 5% utility rate escalation and 1% PPA escalation
- NEM 3.0 revision could negatively impact financials – time is of the essence

# THANK YOU

[sanbruno.ca.gov/RecCenterBuild](https://sanbruno.ca.gov/RecCenterBuild)