

Venado MS Expansion Public Information Meeting

October 15, 2017



MEETING AGENDA

- Introductions
- Overview of Measure E Program
- Project Overview
- Resources
- Questions and Answers



INTRODUCTIONS

- Kim Coffeen – IUSD, Director Facilities Planning
- Robert Ramirez– IUSD, Facilities Planner, Facilities/Construction
- Jim Yost– Neff Construction Inc., Construction Manager

Additional Team Members:

- Kelvin Okino – IUSD, Executive Director, Facilities Planning and Construction
- Luis Torres– IUSD, Principal of Venado Middle School
- Annie Brown – IUSD, Public Information Officer
- Robert Demmond– DLR Group, Architect



Overview of Measure E Program



HISTORY OF MEASURE E

- **Comprehensive plan created in 2012**
- **Refined in 2015 with current cost estimates**
 - Districtwide improvement needs over **\$800.0** million
 - Districtwide needs include:
 - facilities improvements
 - enrollment growth
 - site upgrades
 - upgrades to non-school site facilities
- **Determined the need for a General Obligation Bond**



SFID BOND MEASURE

- **Schools Facility Improvement District (SFID)**
 - Carved out newer schools under a Mitigation Agreement (Mello-Roos)
 - Focused on 28 schools of the 38 schools
- **June 7, 2016 Ballot**
 - \$319.0 million Bond Measure (Measure E)
 - \$29 / \$100,000 assessed value tax increase
 - Four bond series sales
 - Proposition 39 (School Facilities Local Vote Act of 2000)
 - Passed at 60.2% (55% required)



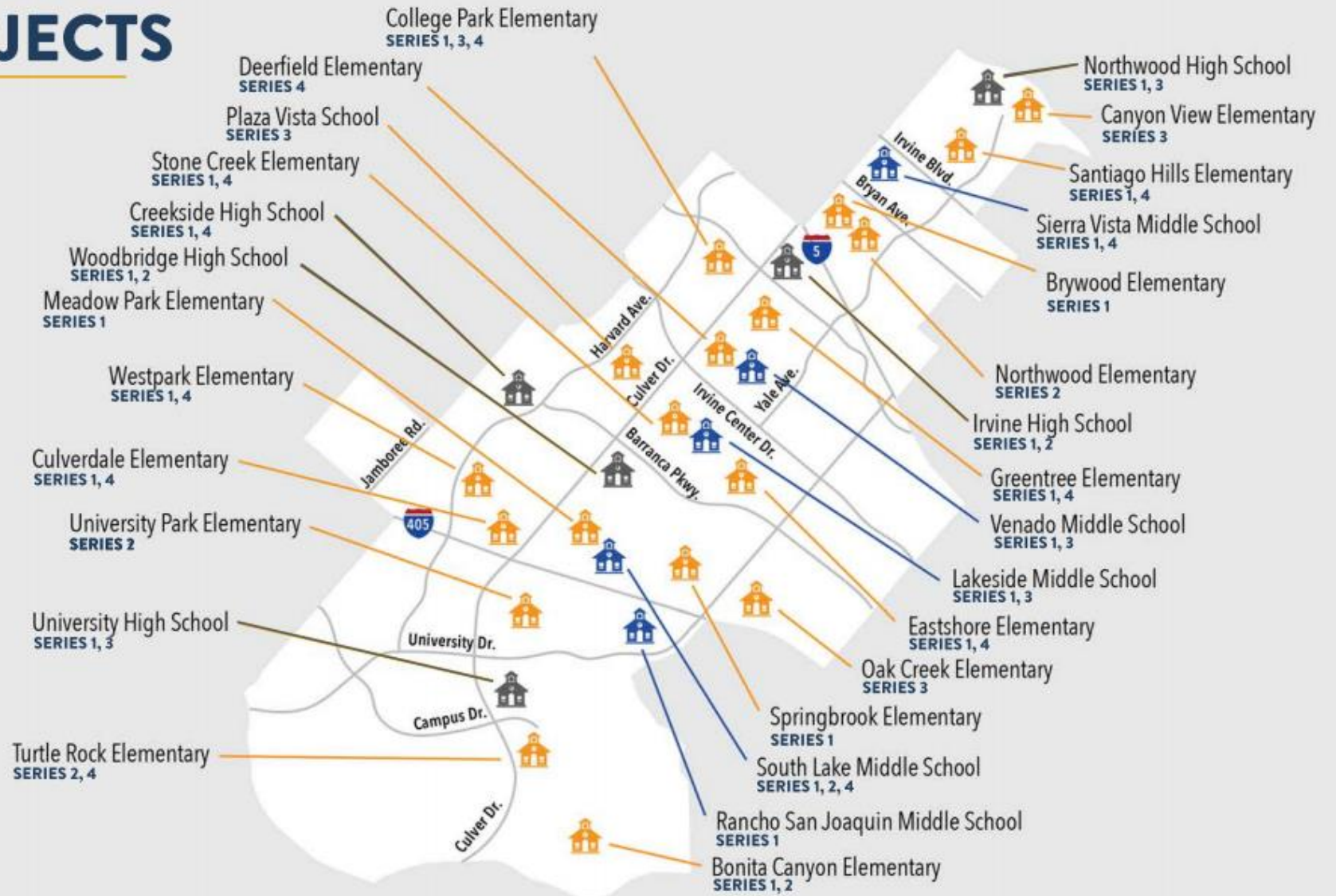
MEASURE E PROJECTS

 - High Schools 5

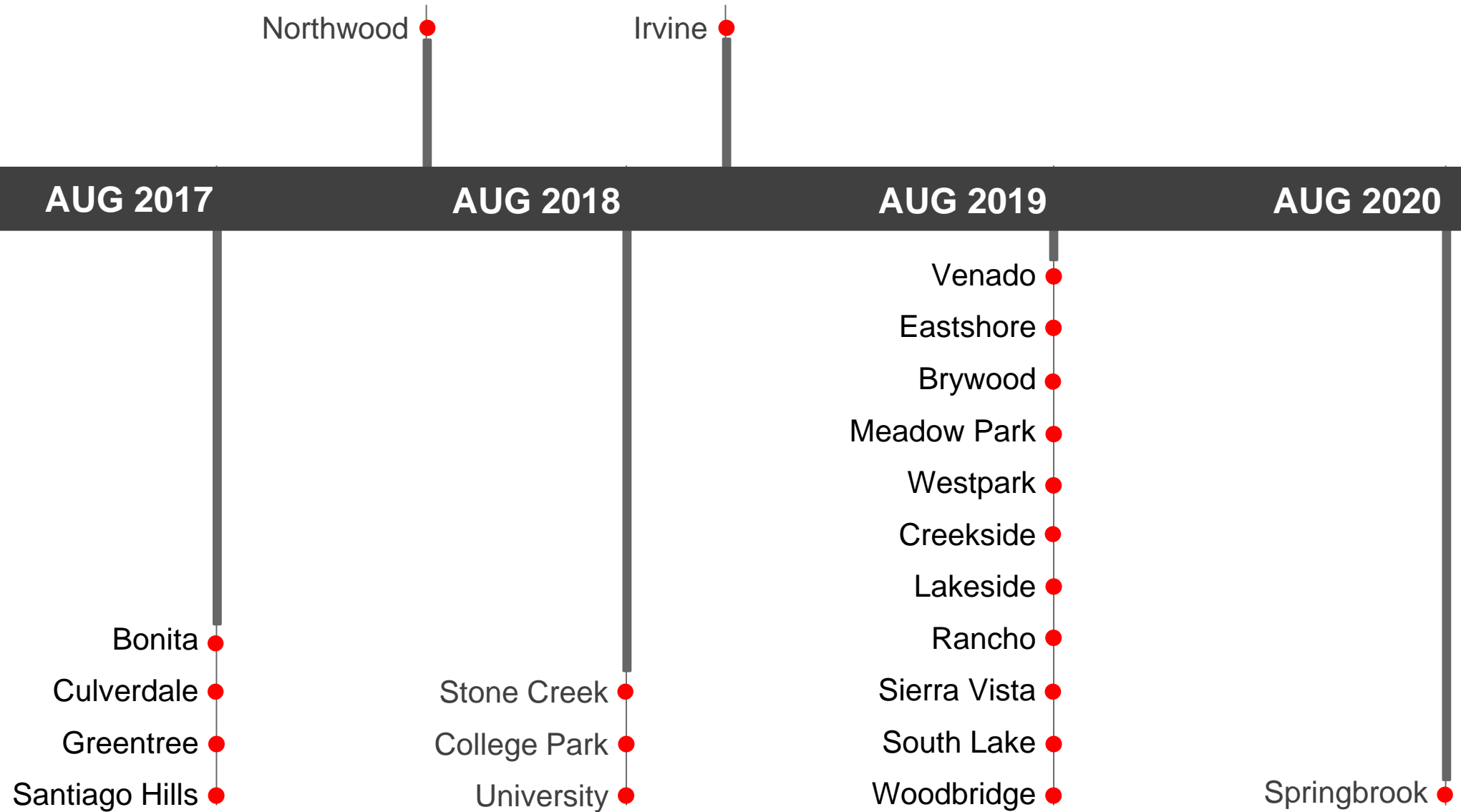
 - Middle Schools 5

 - Elementary Schools 18

28



PROJECT COMPLETION DATE



SERIES 1 PRIORITIES

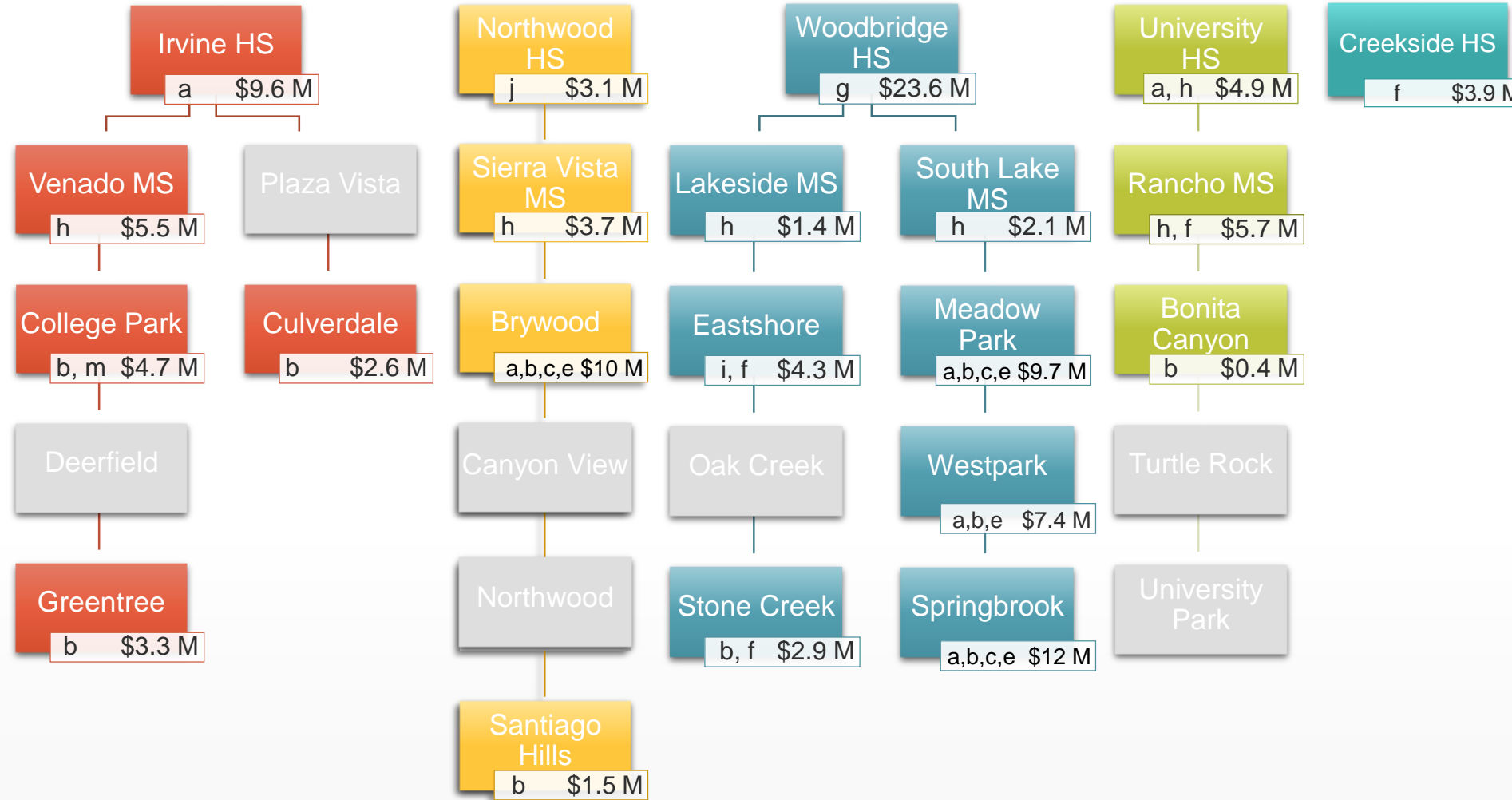
- **Safety and security**
 - Install interior doors at elementary school classrooms
- **Age of the school site**
 - Modernize eligible schools over 25 years old
- **Projects that will impact the greatest amount of students**
 - Projects for high schools and middle schools, which benefit most Irvine USD students, who will attend these schools
- **Upgrade Science Labs at middle schools**





PROJECT TYPES

- a. Modernize facilities over 25 years of age
- b. Enclose open classrooms
- c. Construct Music Classrooms
- d. Construct Multipurpose Room
- e. Construct/Upgrade Food Service
- f. Construct Career Tech and Innovation/Design Labs
- g. Construct Visual and Performing Arts, Media Arts Elective Labs and New/Upgrade Theaters
- h. Construct/upgrade science labs and Elective Spaces
- i. Construct/Upgrade Kinder Classrooms
- j. Construct all weather track and field
- k. Construct Classrooms to replace portables
- l. Construct Practice Gym
- m. Construct/Upgrade Site Specific Support Facilities



\$25.7 M

+

\$18.3 M

+

\$64.4 M

+

\$11.0 M

+

\$3.9 M

=

\$123.3 M

Program Escalation + \$8.1 M

Total Program Cost \$131.4 M

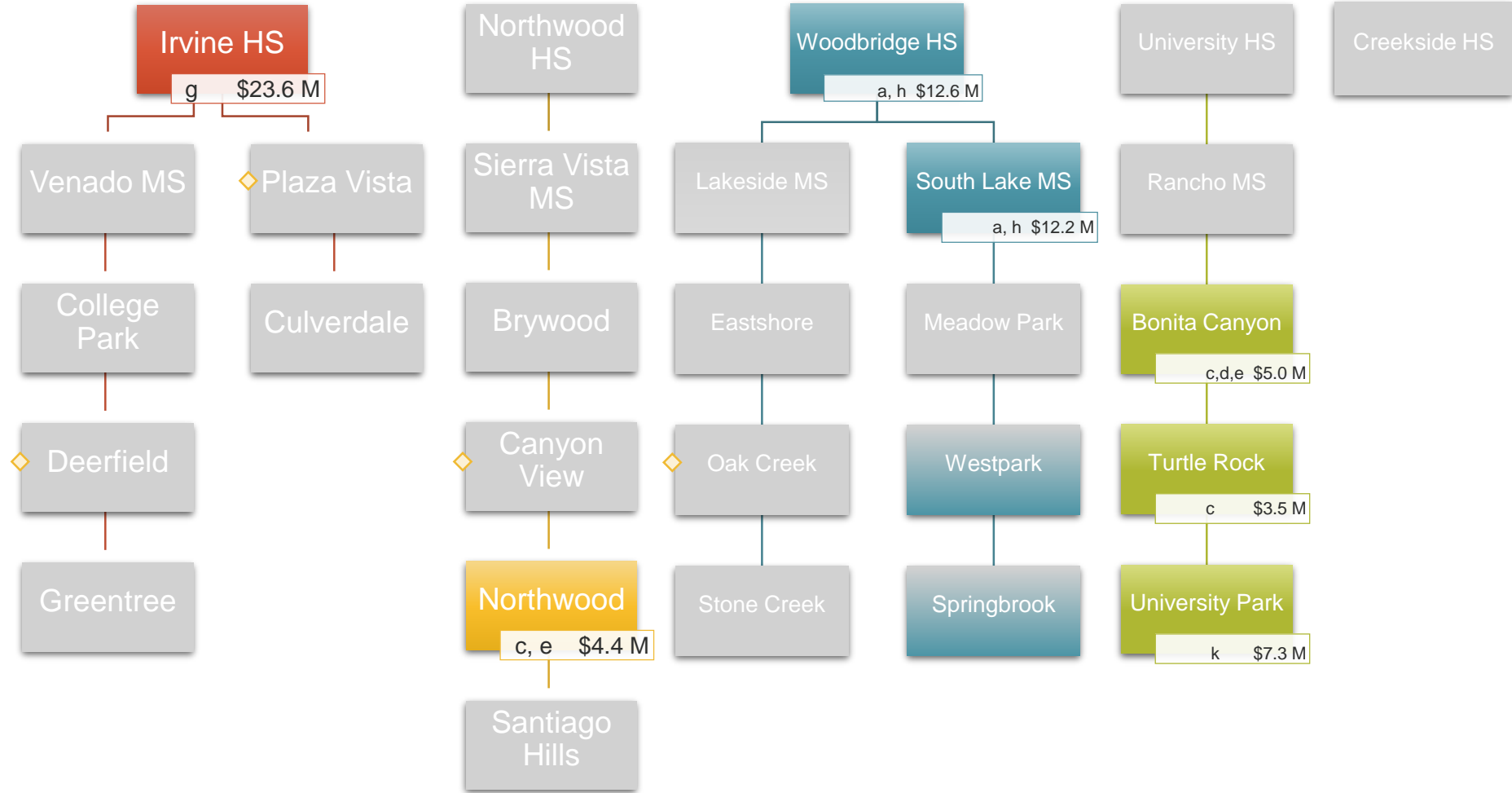
Funding
\$95.0 M Bond
\$36.4 M IUSD

Measure E Series Projects and Costs



PROJECT TYPES

- a. Modernize facilities over 25 years of age
 - b. Enclose open classrooms
 - c. Construct Music Classrooms
 - d. Construct Multipurpose Room
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 - f. Construct Career Tech and Innovation/Design Labs
 - g. Construct Visual and Performing Arts, Media Arts Elective Labs and New/Upgrade Theaters
 - h. Construct/upgrade science labs and Elective Spaces
 - i. Construct/Upgrade Kinder Classrooms
 - j. Construct all weather track and field
 - k. Construct Classrooms to replace portables
 - l. Construct Practice Gym
 - m. Construct/Upgrade Site Specific Support Facilities
- ◇ Sites that are not part of the first and second bond series



$$\boxed{\$23.6 \text{ M}} + \boxed{\$4.4 \text{ M}} + \boxed{\$24.8 \text{ M}} + \boxed{\$15.8 \text{ M}} + \boxed{-} = \boxed{\$68.6 \text{ M}}$$

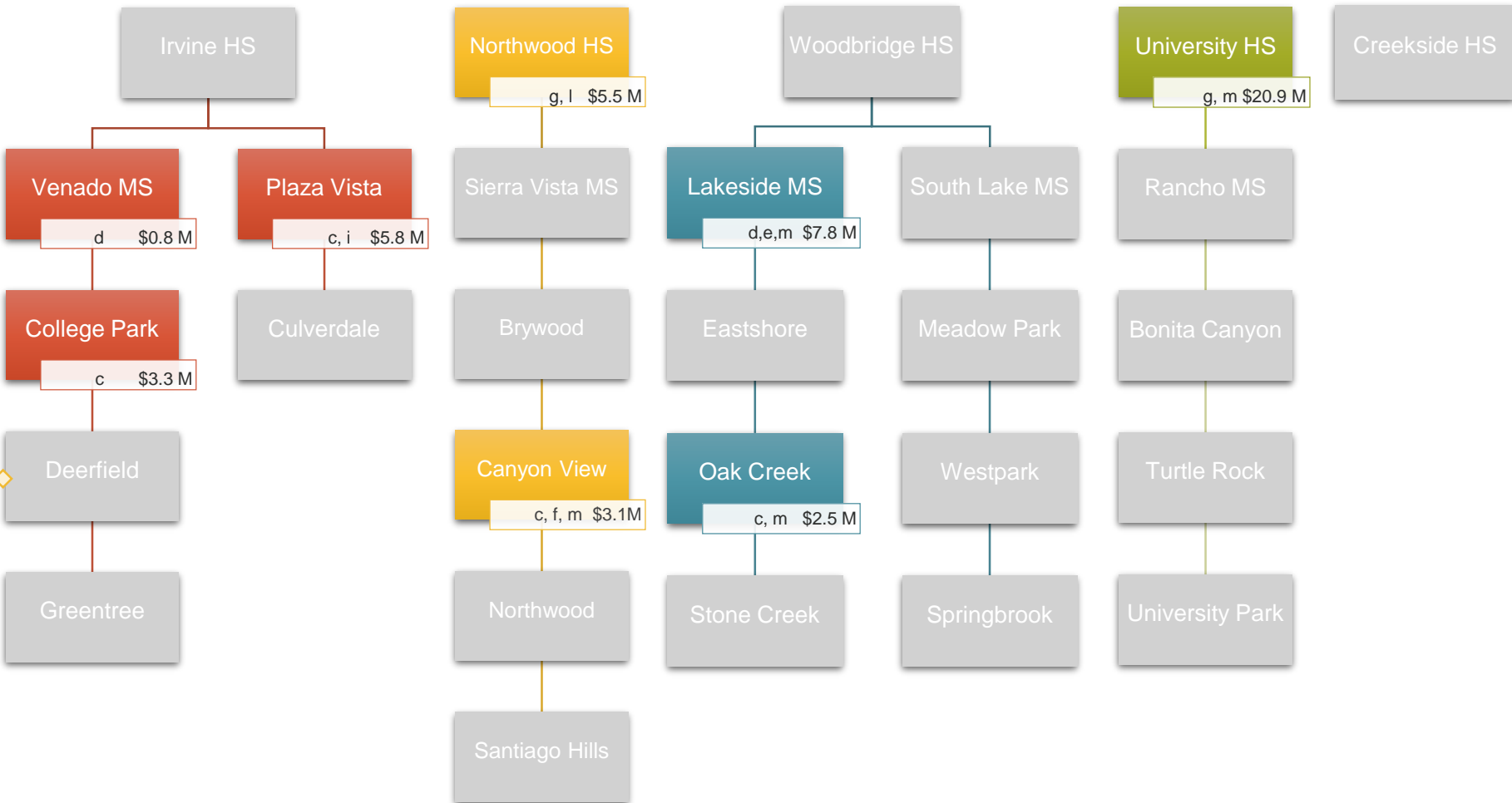
Program Escalation +	<u>\$11.0 M</u>	
Total Program Cost	\$79.6 M	<i>Funding</i> <i>\$51.9 M</i> <i>\$27.7 M</i>
		<i>Bond</i> <i>IUSD</i>

Measure E Series 2 Projects and Costs



PROJECT TYPES

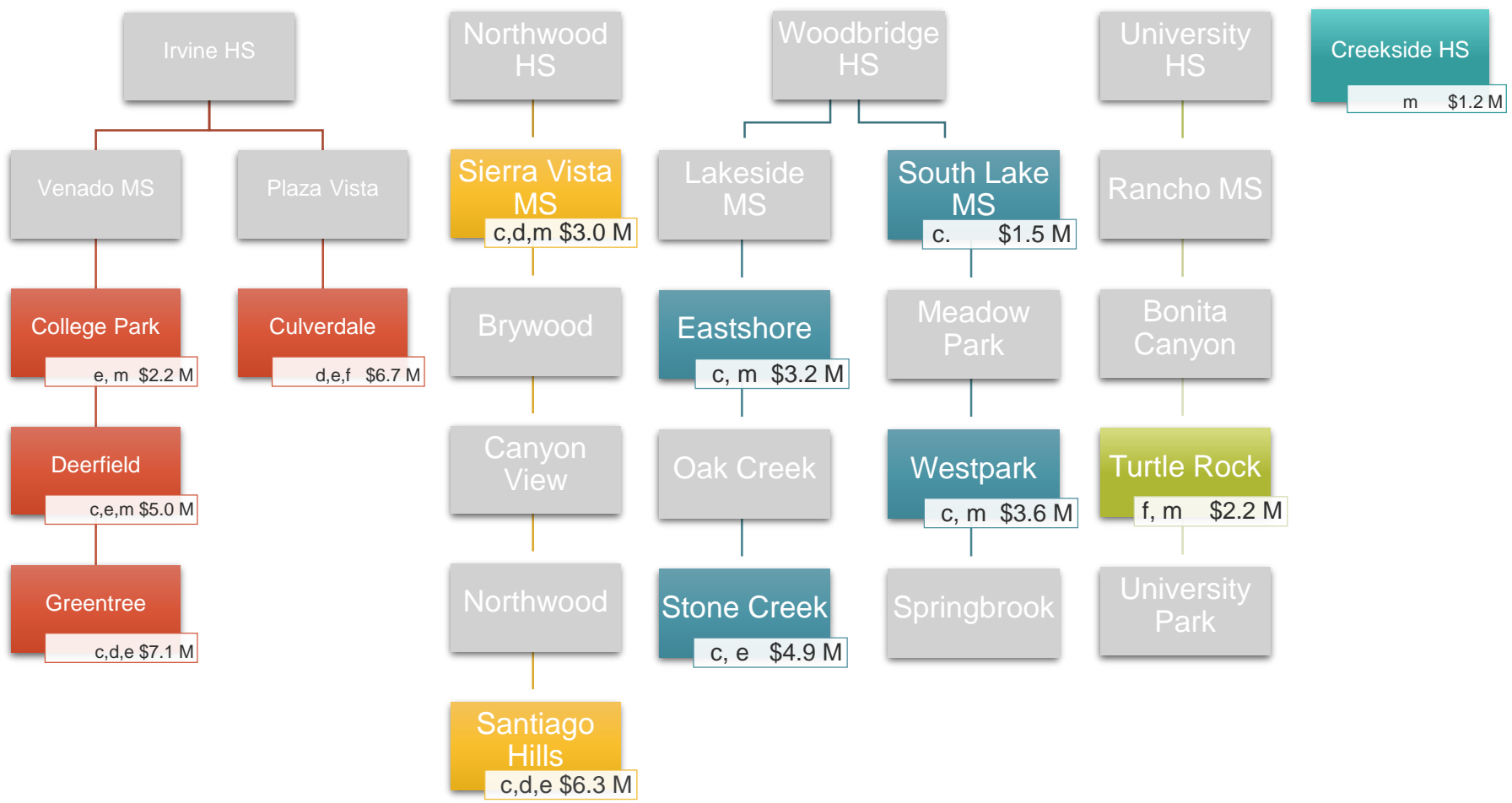
- a. Modernize facilities over 25 years of age
 - b. Enclose open classrooms
 - c. Construct Music Classrooms
 - d. Upgrade/Construct Multipurpose Room
 - e. Construct/Upgrade Food Service
 - f. Construct Career Tech and Innovation/Design Labs
 - g. Construct Visual and Performing Arts, Media Arts Elective Labs and New/Upgrade Theaters
 - h. Construct/upgrade science labs and Elective Spaces
 - i. Construct/Upgrade Kinder Classrooms
 - j. Construct all weather track and field
 - k. Construct Classrooms to replace portables
 - l. Construct Practice Gym
 - m. Construct/Upgrade Site Specific Support Facilities
- ◇ Site that is not part of the previous bond series



\$9.9 M +
 \$8.6 M +
 \$10.3 M +
 \$20.9 M +
 - =
 \$49.7 M

Program Escalation +	\$11.0 M		
Total Program Cost	\$60.7 M	<div style="display: inline-block; width: 10px; height: 10px; background-color: yellow; transform: rotate(45deg);"></div>	<i>Funding</i> \$49.4 M \$ 7.7 M \$ 3.6 M
			<i>Bond</i> IUSD TBD

Measure E Series 3 Projects and Costs



PROJECT TYPES

- a. Modernize facilities over 25 years of age
- b. Enclose open classrooms
- c. Construct Music Classrooms
- d. Construct/Upgrade Multipurpose Room
- e. Construct/Upgrade Food Service
- f. Construct Career Tech and Innovation/Design Labs
- g. Construct Visual and Performing Arts, Media Arts Elective Labs and New/Upgrade Theaters
- h. Construct/upgrade science labs and Elective Spaces
- i. Construct/Upgrade Kinder Classrooms
- j. Construct all weather track and field
- k. Construct Classrooms to replace portables
- l. Construct Practice Gym
- m. Construct/Upgrade Site Specific Support Facilities

\$21.0 M	+	\$9.3 M	+	\$13.2 M	+	\$2.2 M	+	\$1.2 M	=	\$46.9 M												
										Program Escalation + \$11.0 M												
										<table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">Total Program Cost</td> <td style="padding: 2px 5px;">\$57.9 M</td> </tr> </table>	Total Program Cost	\$57.9 M										
Total Program Cost	\$57.9 M																					
										<table border="0" style="font-size: 18px;"> <tr> <td style="padding-right: 10px;">Funding</td> <td>\$54.5 M</td> <td style="padding-left: 20px;">Bond</td> <td>IUSD</td> </tr> <tr> <td></td> <td>- 0 -</td> <td></td> <td>TBD</td> </tr> <tr> <td></td> <td>\$ 3.4 M</td> <td></td> <td></td> </tr> </table>	Funding	\$54.5 M	Bond	IUSD		- 0 -		TBD		\$ 3.4 M		
Funding	\$54.5 M	Bond	IUSD																			
	- 0 -		TBD																			
	\$ 3.4 M																					

Measure E Series 4 Projects and Costs

DESIGN & CONSTRUCTION PROCESS

ACRONYMS

RFP

Request for Proposal

A/E

Architect / Engineer

CDE

California Department of Education

DSA

Division of State Architect

OPSC

Office of Public School Construction

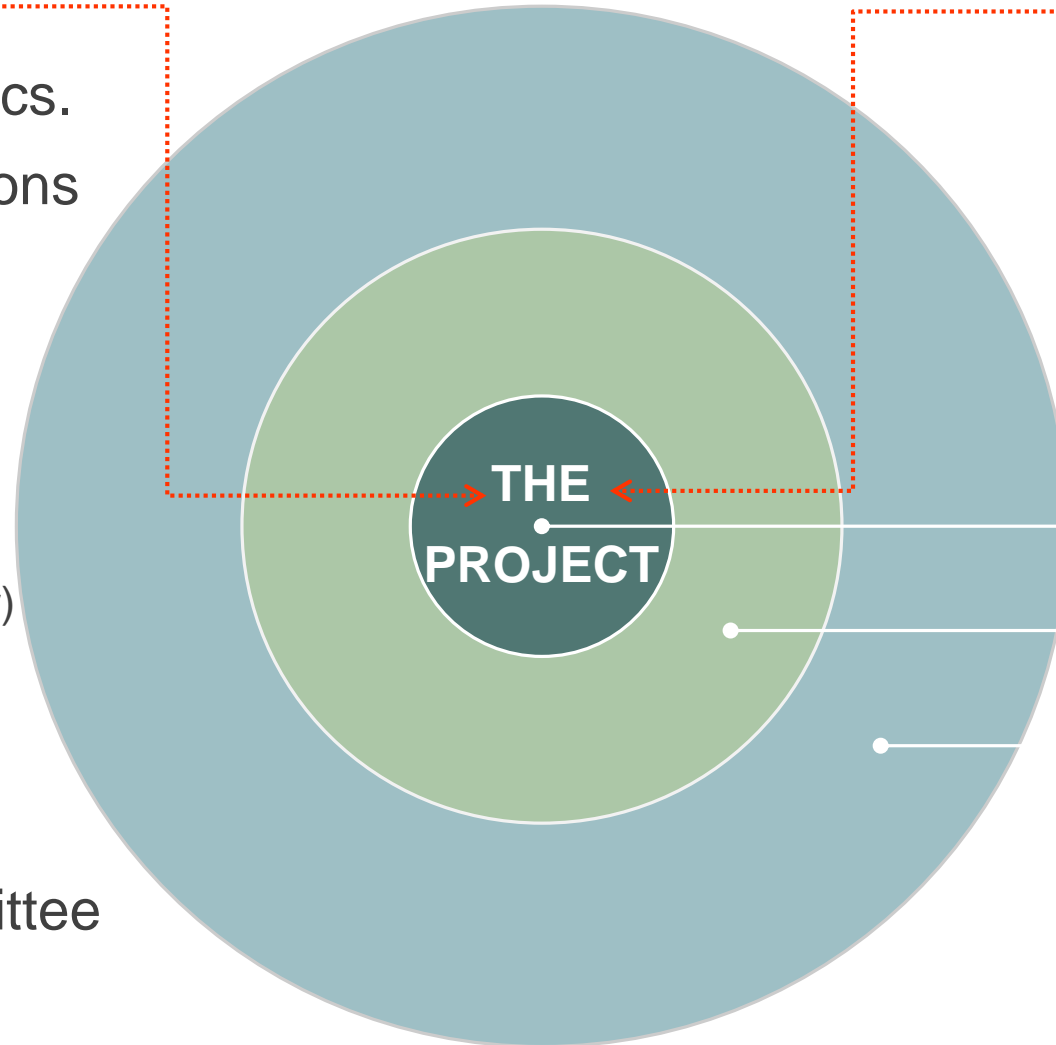


PROJECT COMPLETE

STAKEHOLDERS

INTERNAL REVIEWS

- Ed. Specs./Technical Specs.
- Maintenance and Operations
- IT: network, data, AV
- Security
- Ed. Services
- Milestone Meetings
(Architect & Construction Manager)
- Schools Facilities
Improvement Measure
Committee
- Citizens Oversight Committee
- Board of Education Study
Sessions



AGENCY APPROVALS

- California Dept. of Ed.
- Div. of State Architect
- Fire Authority
- State Funding

Planning Committee

Staff Logistics/Impacts

Community Outreach

- Parents /Students
- H.O.A
- Neighbors
- City of Irvine



Project Overview



PROJECT SCOPE

- **New Science Classroom Building**
 - (5) Science Labs
 - Workroom (Includes Teacher Prep Area and Staff Restroom)
 - Student Restrooms
 - Custodial Closet
- **Relocation of Basketball Courts**



SITE PLAN

- **New Science Classroom Building**
 - (5) Science Lab Science
 - Workroom (Includes Prep Area, Conference Area, and Staff Restroom).
 - Boys/Girls Restrooms
 - Custodial Closet
- **Relocation of Basketball Courts**
- **Relocation of Exercise Equipment**



SITE PLAN

- New Science Classroom Building
- Relocation of Basketball Courts
- Relocation of Exercise Equipment



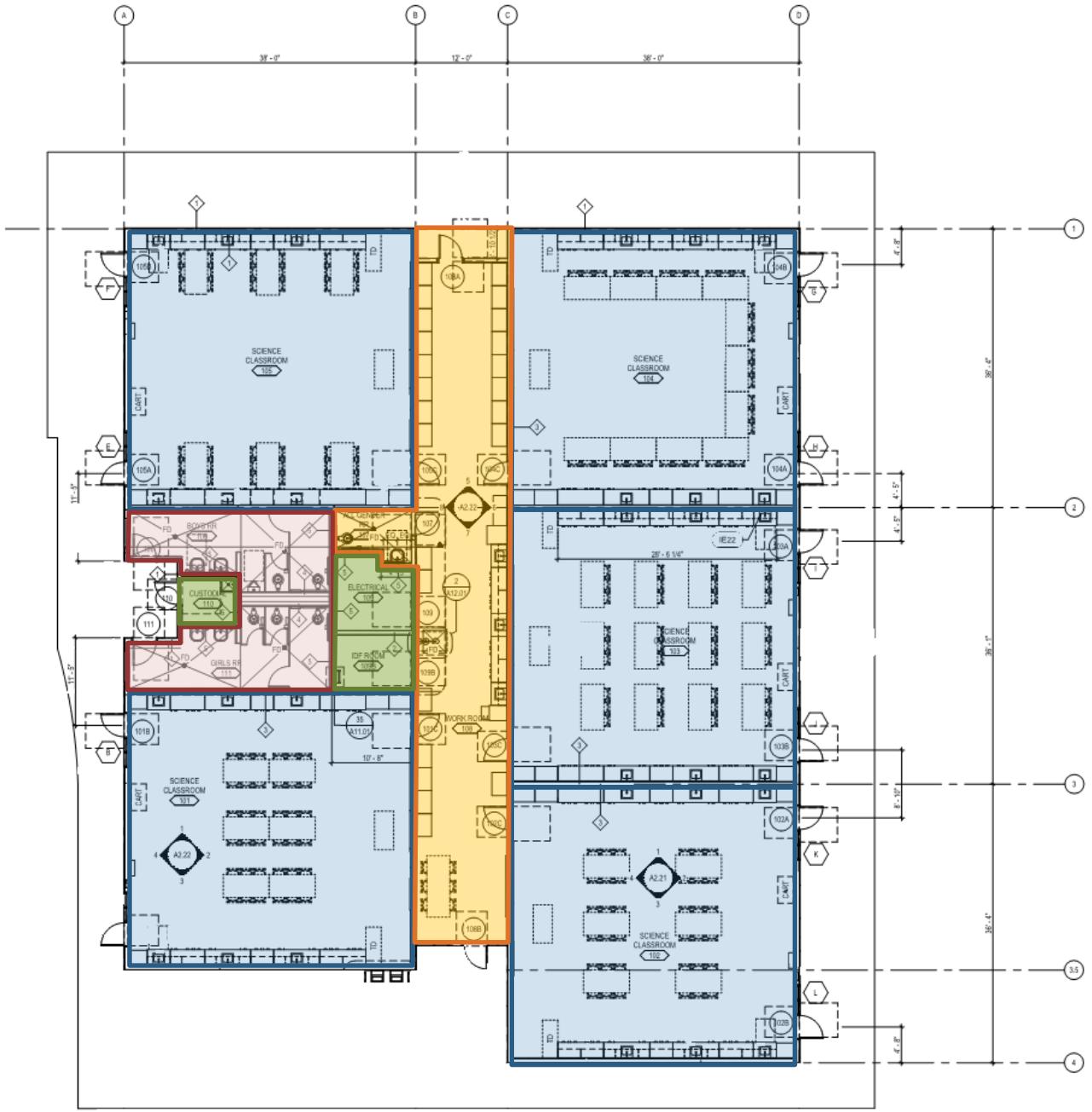
FLOOR PLAN

- (5) Science Labs

- Workroom
(Includes Teacher Prep Area and Staff Restroom.)

- Student Restrooms

- Custodial Closet, IDF Closet, & Electrical Room



SCIENCE BUILDING



SCIENCE BUILDING



SCIENCE LAB



SCIENCE LAB



SCIENCE LAB



SCIENCE PREP ROOM



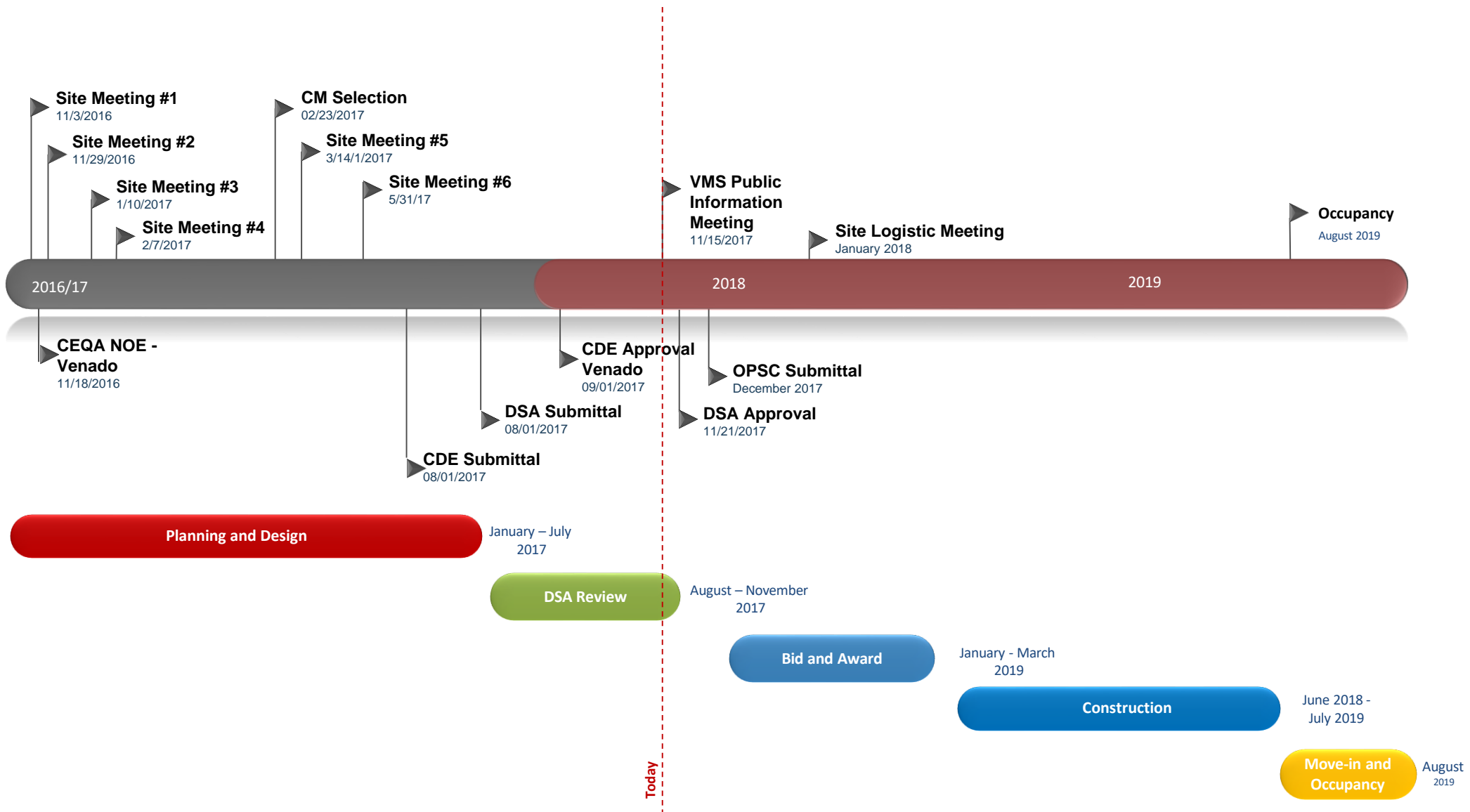
$$W_{nc} = \Delta K_c + \Delta K_{rot} + \Delta U_{grav} + \Delta U_{elast}$$
$$0 = \frac{1}{2}m(v_f^2 - v_i^2) + \frac{1}{2}I(\omega_f^2 - \omega_i^2) + mg(y_f - y_i) + 0$$
$$0 = \frac{1}{2}m(v_f^2 - v_i^2) + \frac{1}{2}(I_{cm} + mr^2)(\omega_f^2 - \omega_i^2) - mg(90) + 0$$
$$0 = \frac{1}{2}v_f^2 + \frac{1}{4}v_f^2 - (9.8)(-90) - 882$$
$$882 = v_f^2 \left(\frac{1}{2} + \frac{1}{4}\right)$$
$$v_f = \sqrt{\frac{882}{\frac{3}{4}}}$$
$$v_f = 34.29 \text{ m/s}$$

Yes, it is plausible to reach
31 m/s

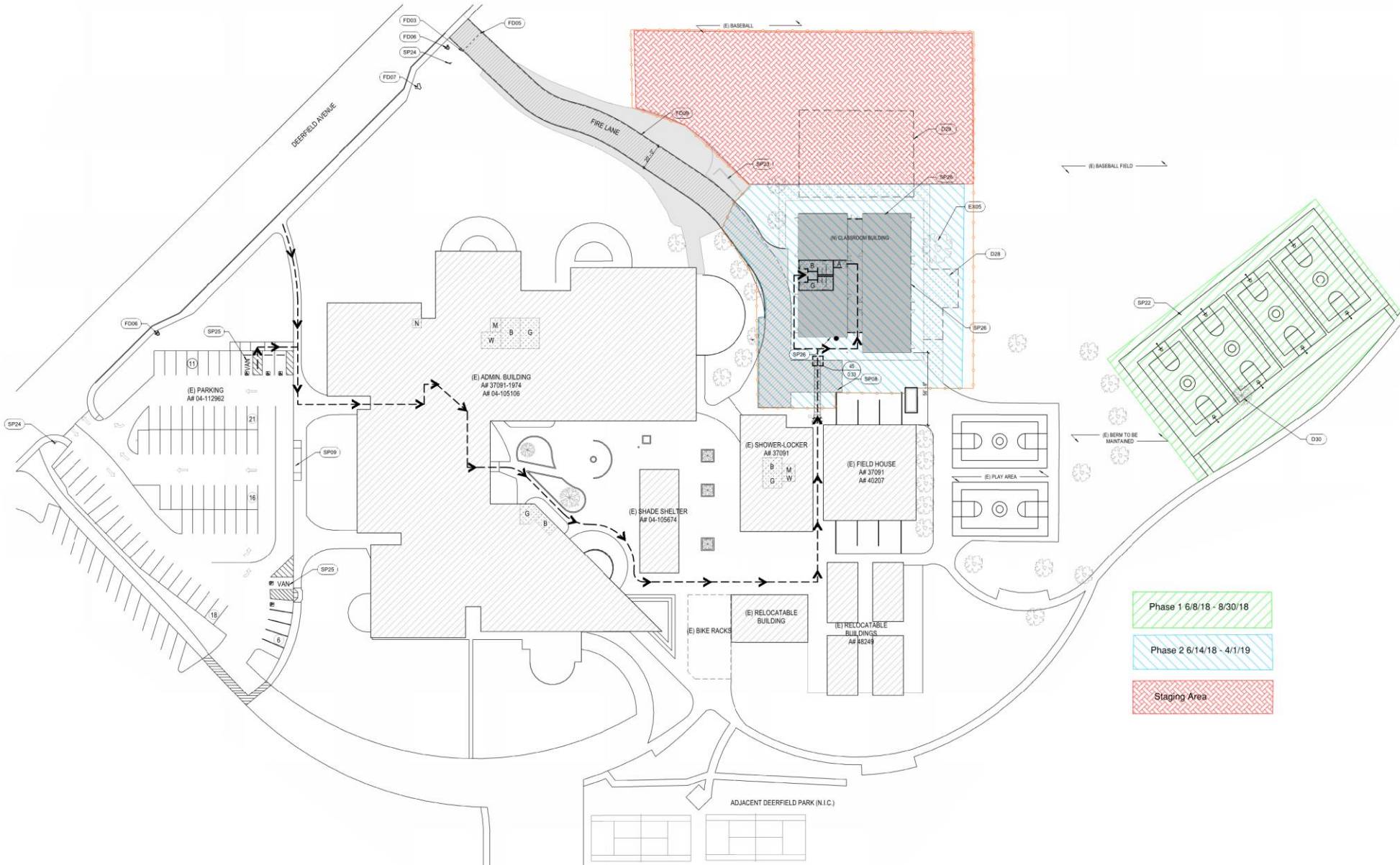
$I = \frac{1}{2}MR^2$
 $r = 0.25$
 $M = 3.6 \text{ kg}$
 $\omega = \frac{v}{r}$
 $v =$



Venado Project Schedule



DRAFT SITE LOGISTIC PLAN



MEASURE E RESOURCES

- Measure E Webpage
iusd.org/MeasureE
- Venado Measure E Webpage – school site updates
iusd.org/measureeve
- Citizens Oversight Committee Webpage
iusd.org/COC
- Contact Email for Questions/Concerns
MeasureE@iusd.org





QUESTIONS and ANSWERS