



City of Santa Rosa:
Design-Build Capital Projects
CAPITAL PROJECTS ENGINEERING TEAM

DBIA-WPR Bay Area Chapter
PROGRAM WEBINAR

May 10, 2022

Introduction to the Presenters

MODERATOR:



MARK KINDHOUSE, PE, CCM, LEED AP
Regional Director, Skanska

**CITY OF
SANTA ROSA
PRESENTERS:**



MIKE PRINZ, PE
Deputy Director, Capital Projects Engineering



JASON ROBERTS, PE
Supervising Engineer, Capital Projects Engineering



GRANT BAILEY, PE
Supervising Engineer, Capital Projects Engineering



LISA WELSH, PE
Associate Engineer, Capital Projects Engineering

Introduction to the City

...a California Charter City encompassing 42.7 square miles...

...a population of 180,000 people and the seat of Sonoma County...

...has a robust food, wine, and craft beverage business sector...

...has Regional, State, Federal offices and four general hospitals...

...employs approximately 1,298 staff...

...has a dedicated Capital Projects Engineering Division of 55 FTEs...

Design-Build and the City of Santa Rosa?

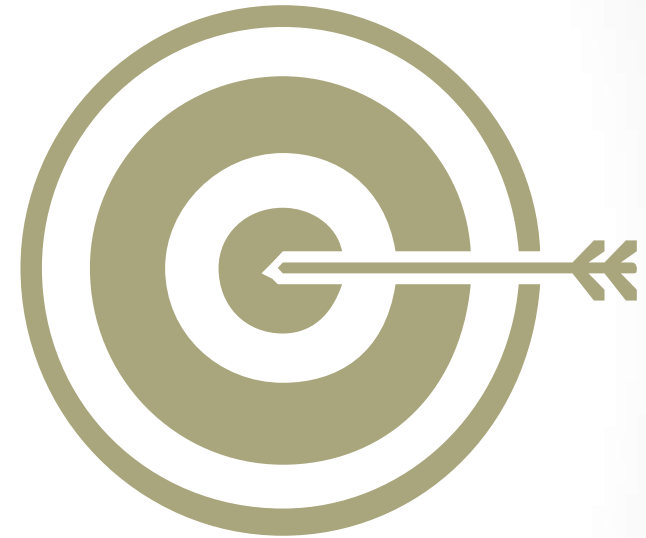
YES... (already!)

Why?

- ✓ Parallel Procurements
- ✓ Backlogged Projects
- ✓ Open to Innovation

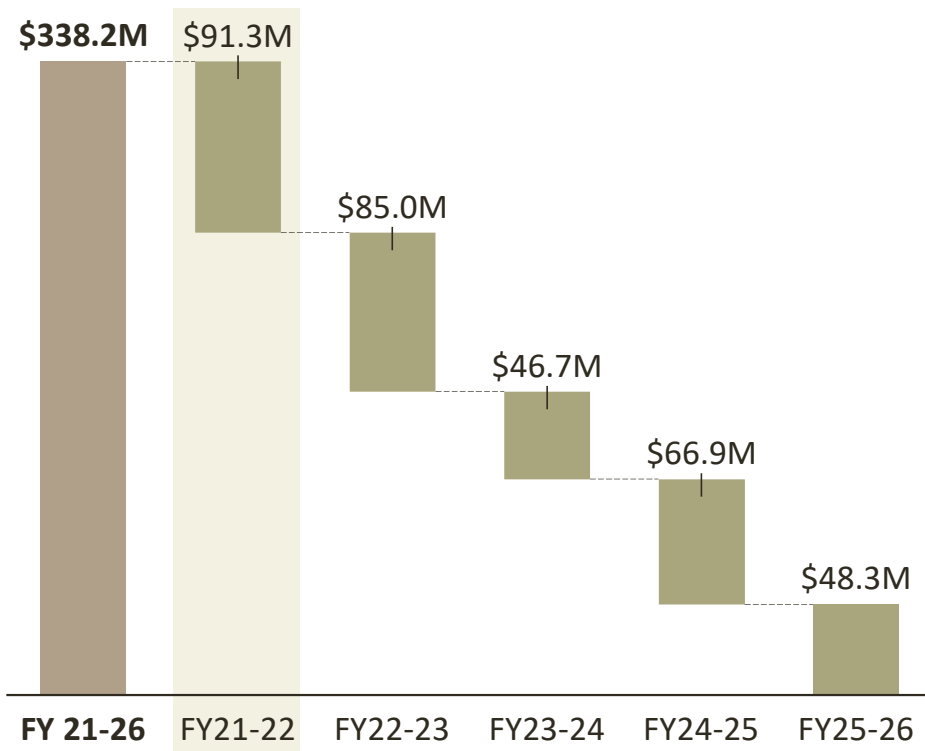
Capital Project Goals

- 1 Smarter, more efficient project delivery
- 2 Optimize staff resources
- 3 Create a strong vendor pool
- 4 Use DB to appropriately share risk
- 5 Maximize benefit of existing pre-design info



Capital Plans and Budgets

The City of Santa Rosa's Capital Improvement Program (CIP) is a five-year financial plan for the maintenance and expansion of public infrastructure.



Capital Improvement Projects include:

- Bridges and other Structures
- Creeks and Drainage Systems
- Laguna Wastewater Treatment Plant
- Other City Facilities
- Parks
- Pedestrian and Bicycle Facilities
- Street Network and Traffic Signals and Systems
- Wastewater Collection System
- Water Distribution System



A list of projects and project locations can be found here:

<http://cippublic.srcity.org/CIPList.html>

<http://cippublic.srcity.org/cipmap.html>

WATER/WASTEWATER

JASON ROBERTS, PE
SUPERVISING ENGINEER



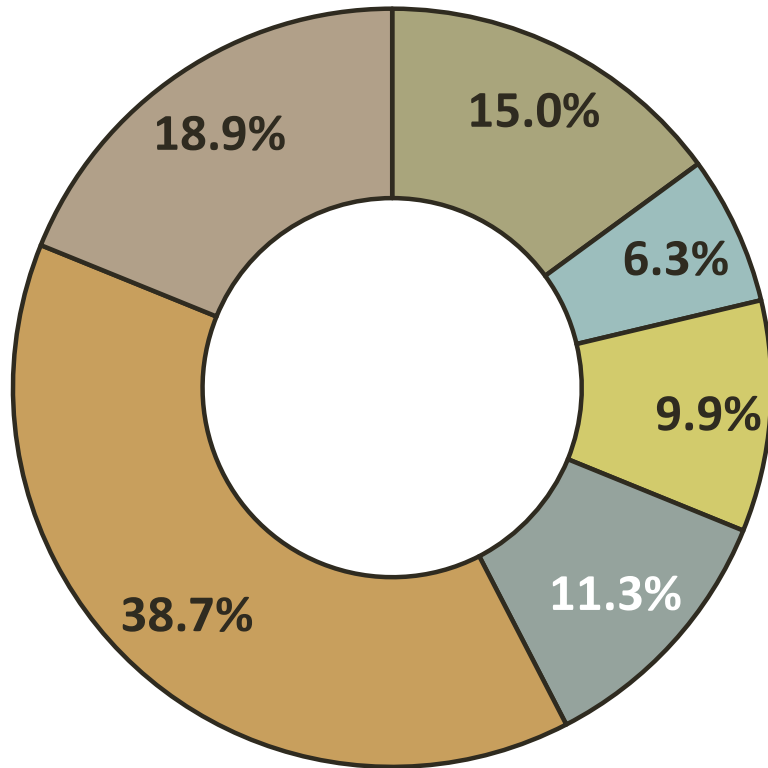
Introduction to Water/Wastewater

Water/Engineering Resources is responsible for maintaining regulatory compliance, managing level of service, and reducing maintenance costs.

- ✓ The Program is funded from demand fees and rate revenue
- ✓ Rate revenue is used for repairs to existing infrastructure
- ✓ Uses Federal funding and grant programs
- ✓ Focus: sewer trunks, mains, and pipes repair and replacement projects, sewer planning efforts, fire-related infrastructure projects, upgrade to the Geysers pipeline infrastructure, and creek restoration

The Water FY 2021-22 CIP budget is \$14.2M as set forth in the currently adopted rate plan.

Water: Proposed CIP Budget

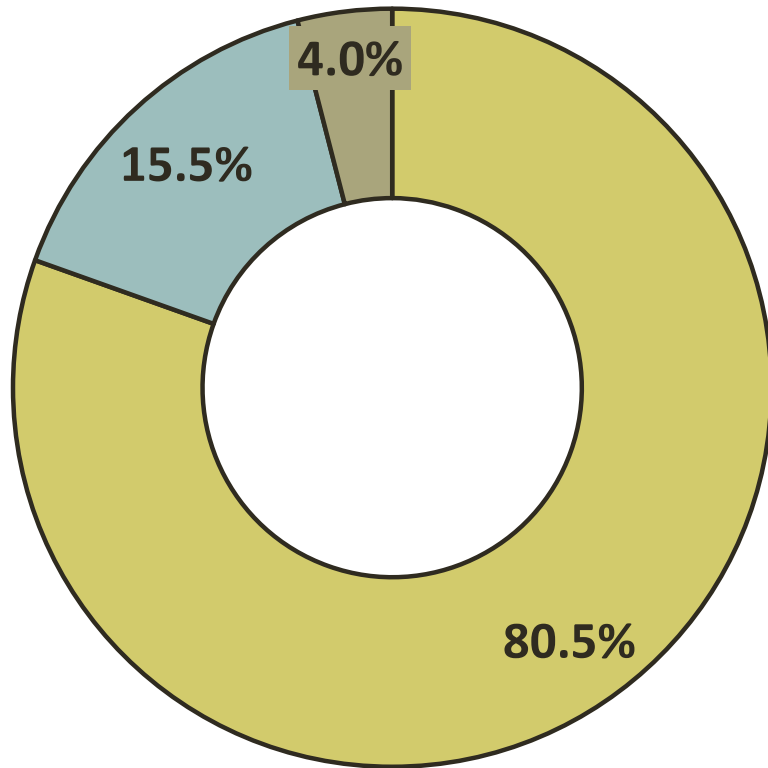





- Master Plans, Studies, Misc.
- Pump Stations & Facilities
- Public Assistance
- Groundwater
- Reservoirs
- Water Mains & Services

Total:
\$14,203,700



Wastewater: Proposed CIP Budget

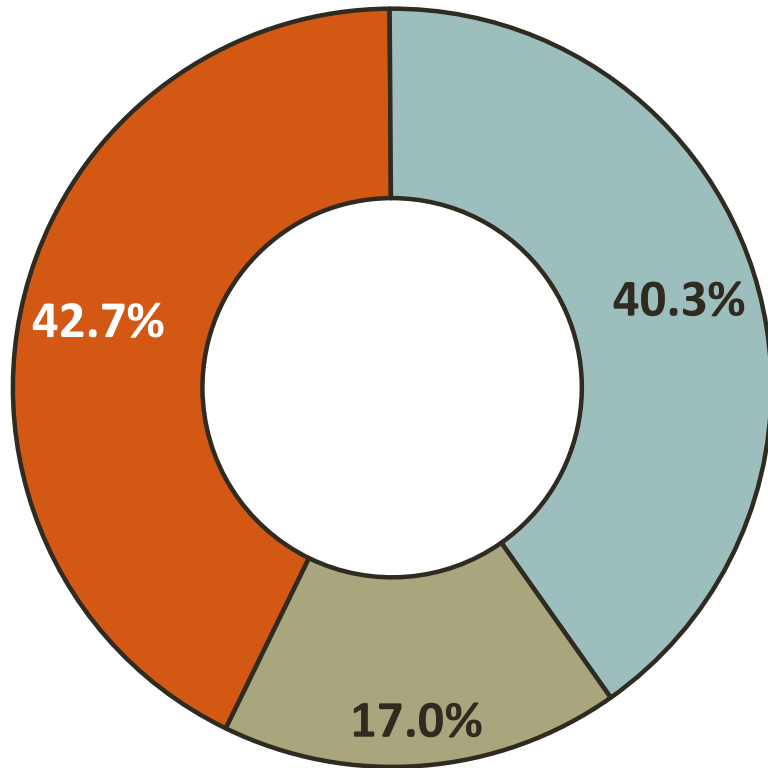


-  Sewer Trunks
-  Sewer Mains & Services
-  Master Plans, Studies, Misc.

Total:
\$13,111,900



Regional: Proposed CIP Budget



- Master Plans, Studies, Misc.
- Plant Infrastructure
- Geysers Infrastructure

Total:
\$9,000,000



Water/Wastewater Project Categories

- 1 Large diameter trunk lining
- 2 Water pump and sewer lift stations
- 3 Water and sewer pipeline replacements
- 4 Treatment plant and regional facility improvements



TPW
GRANT BAILEY, PE
SUPERVISING ENGINEER



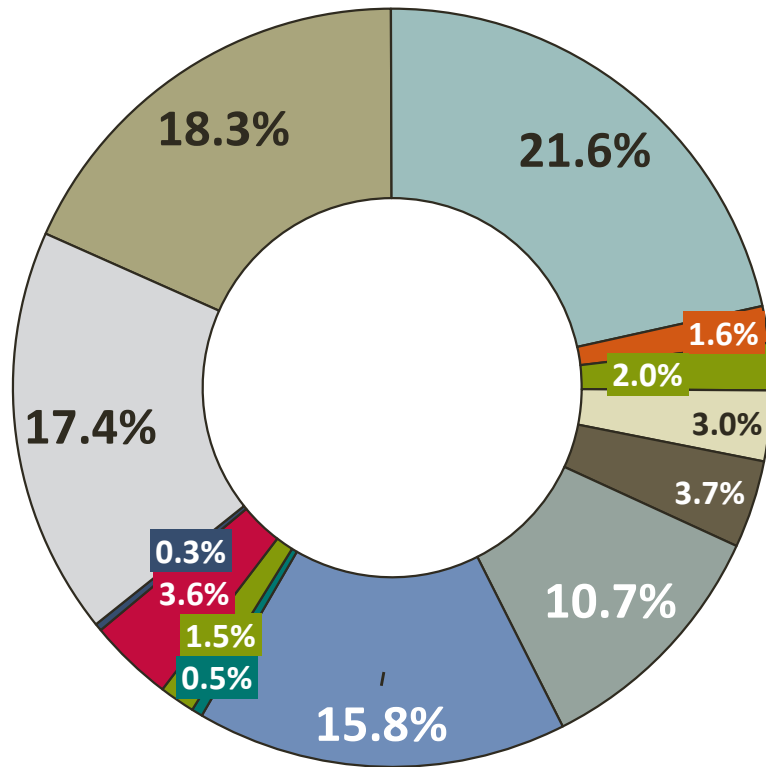
Introduction to Transportation and Public Works (TPW)

Capital Projects Engineering is responsible for the design and construction of projects to rehabilitate, upgrade and expand the City's infrastructure.

- ✓ Funding is a mix of fees, fund revenues, taxes, grants, and general funds
- ✓ 118 City buildings
- ✓ 70 parks totaling over 700 acres
- ✓ 509 miles of streets and fills an average of 4200 potholes per year
- ✓ 213 signalized intersections; 16,124 streetlights to manage
- ✓ Focus: fire recovery projects, infrastructure needs, ADA-related projects, LED streetlight replacements, Citywide Pavement Maintenance, and Luther Burbank Home & Gardens Roof Replacement design

The two departments that manage most of the nearly FY21-22 \$91.3M Capital Budget are Santa Rosa Water and Transportation and Public Works.

TPW: Proposed Budget by Project Type



- Pedestrian
- Parks & Park Amenities
- Fire Department
- Parking
- Misc.
- ADA
- Street Capacity
- Street Rehabilitation
- Traffic
- Creek Restoration
- Drainage
- Street Poles
- Bicycle

Total
\$32,093,042



TPW Project Categories

1 Paving: fire damage recovery



2 Annualized programs like pavement maintenance

3 Pedestrian access and barrier removal

4 Complex/urgent



TPW Projects for DB Consideration

Image	Name	Scope	Cost	Timeline	Website
	Hopper Avenue	Currently scoping through community engagement phase	\$3.5M	Community engagement, environmental, preliminary design complete late fall 2022 RFP winter 2023	https://srcity.org/3707/Roadway-Recovery
	Coffey Park & Fountaingrove Neighborhood Road Disaster Recovery	Repair 33 miles of residential streets damaged due to debris off haul operations following the 2017 Tubbs Fire	\$14M	Awaiting funding agency project approval RFP summer 2022	http://cippublic.srcity.org/ProjPages/2258.html https://srcity.org/3707/Roadway-Recovery

FIRE STATION 5

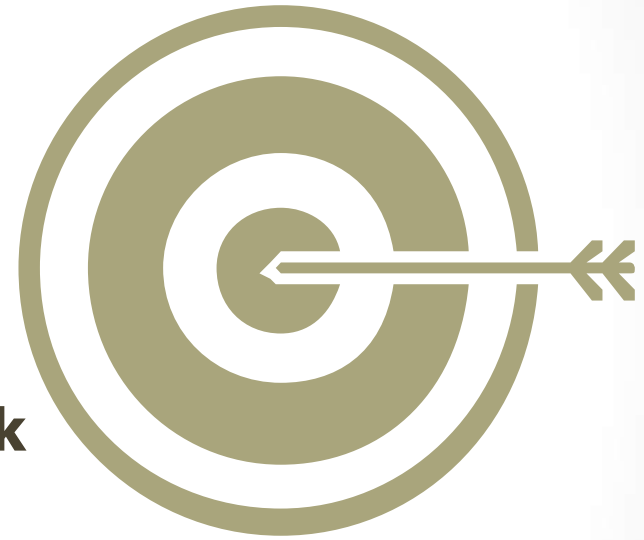
LISA WELSH, PE
ASSOCIATE ENGINEER



Fire Station 5

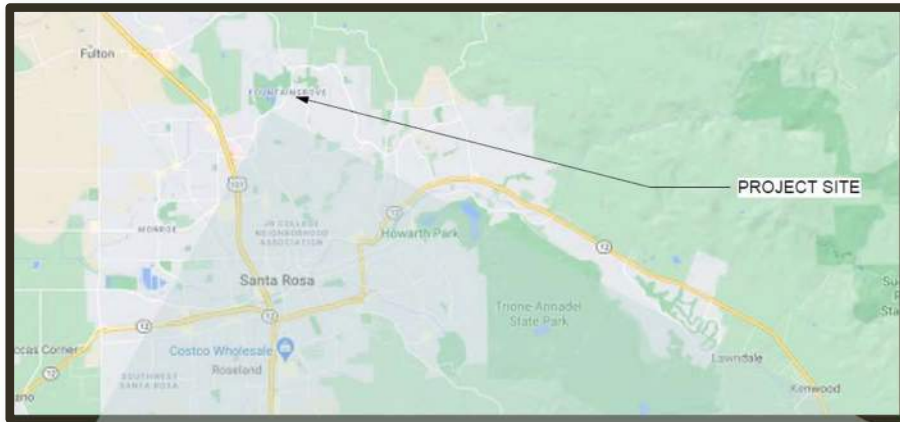
Project Goals

- 1** **Iconic, safe, and durable**
- 2** **Occupancy by Q2 2024**
- 3** **Adhere to Mitigation Monitoring and Reporting Program (MMRP) and Community Development Block Grant (CDBG-MIT)**
- 4** **Align with the City Council Values and Goals**



Fire Station 5

Regulatory Elements

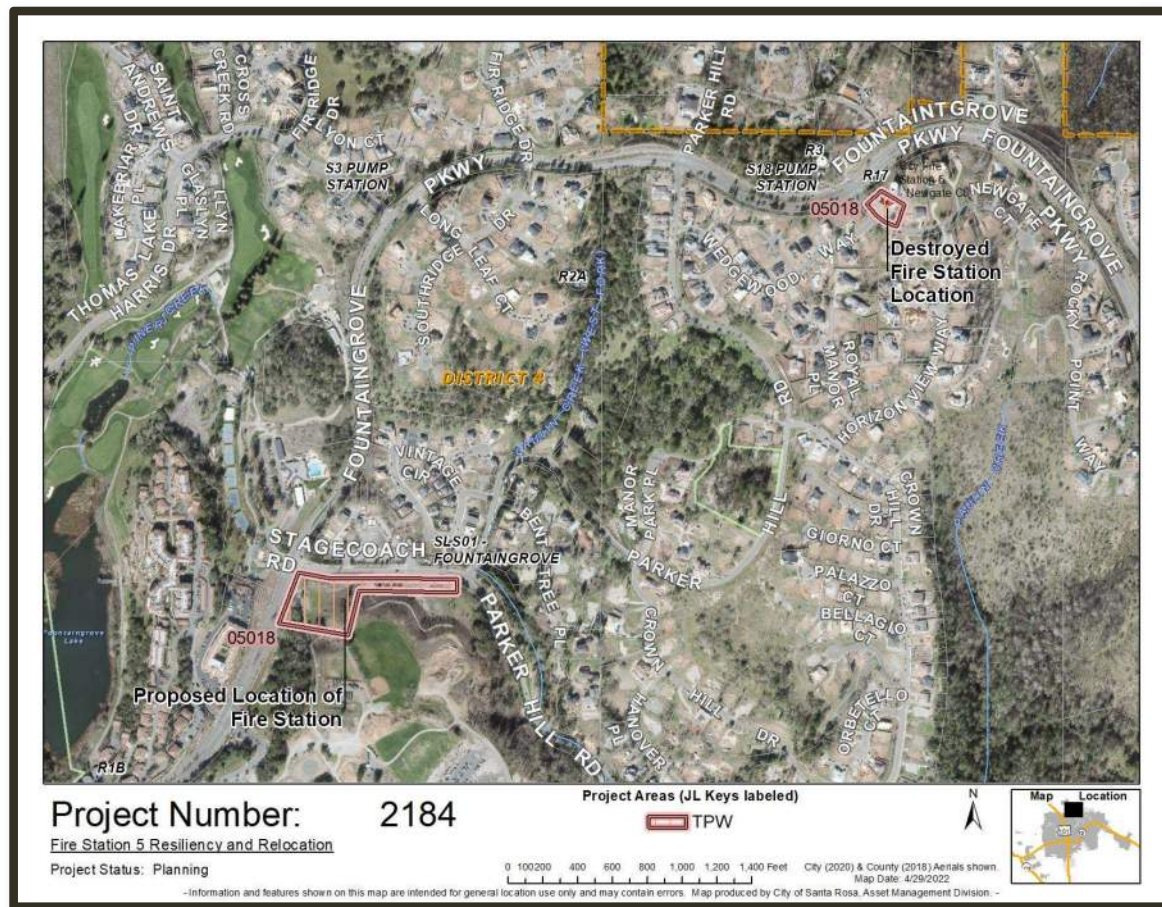


- NEPA EA (approved)
- CEQA MND (approved)
- WUI (Wildland Urban Interface)
- Expected geotech report
- Earthquake zone
- Above ground fuel storage
- Public art coordination
- LID requirements
- Full kitchen
- **Grant requirements:**
 - Community
 - Development Disaster
 - Recovery Mitigation
 - Infrastructure Program (CDBG-MIT)

Fire Station 5

General Scope Elements

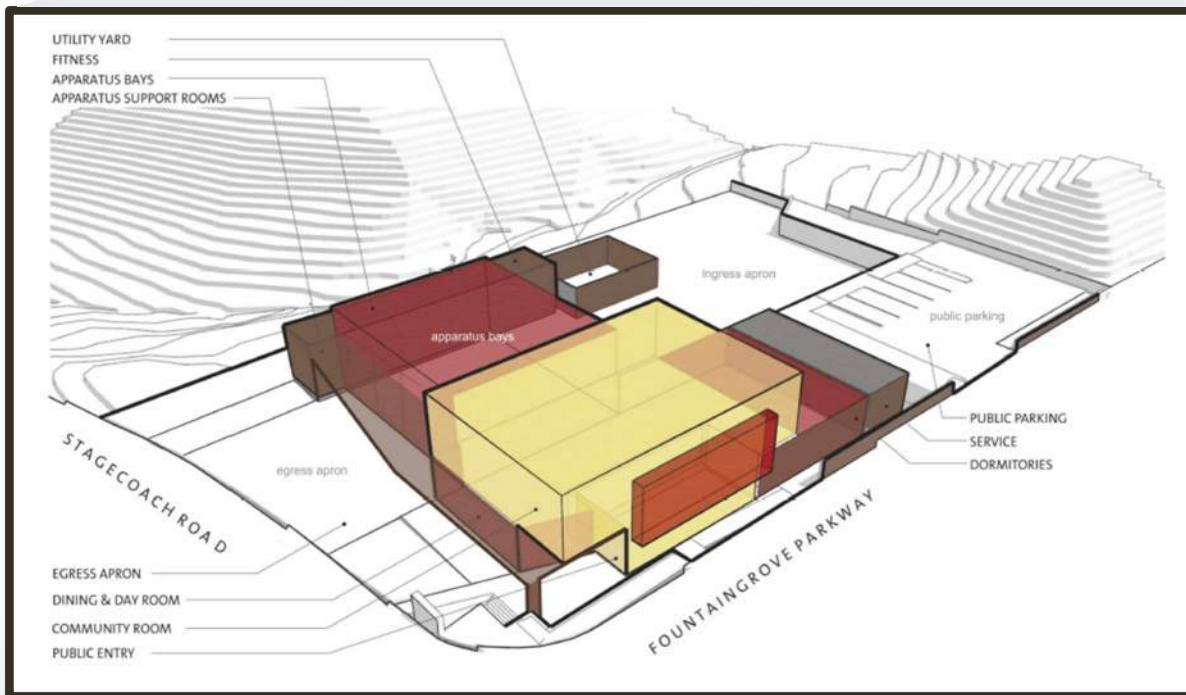
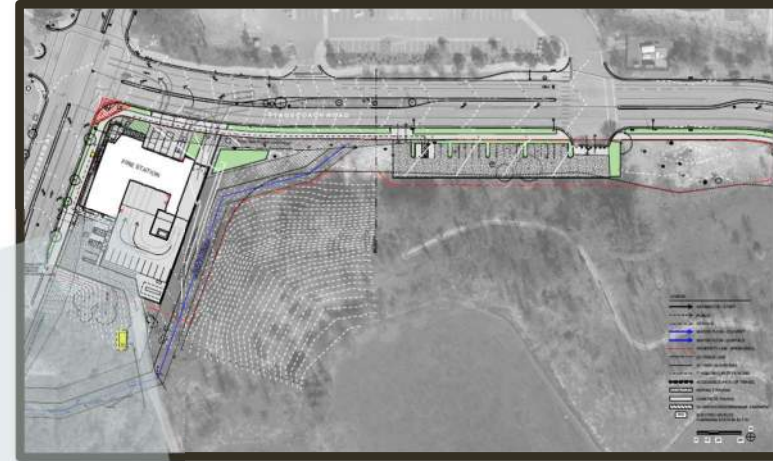
- Rebuilds former Newgate Court Station destroyed in 2017 Tubbs Fire
- Located at southeast corner of Fountaingrove Pkwy and Stagecoach Rd
- 2.11-acre site with 11,400-sf, 2-story station
- Approximately \$16M in construction costs
- Onsite parking
- Road improvements
- Service road



Fire Station 5

Programming Elements

- 3x apparatus bays
- 7x dorm rooms
- 5x water closets
- 2x server rooms
- Community room
- Diesel back-up generator
- PV array
- Security



- Vehicle washing station
- 20 public parking spaces
- Utility coordination and relocation
- Sensitive tree removal
- ROW improvements
- Fitness center
- Fuel storage
- Laundry
- Full kitchen
- Decontamination room
- Elevator

Fire Station 5

Preliminary Rendering 1



Fire Station 5

Preliminary Rendering 2



Anticipated Timeline

Short List

City releases a short list of those qualified to bid on the project

RFP

City issues for short-listed proposers

ATC/Addendum

City releases an addendum or holds ATCs as needed

Construction

Design-build for Fire Station begins

May
2022

RFQ

City places RFQ out for solicitation

Addendum

City releases an addendum or answers questions as needed

Selection

Qualified proposer is selected for DB contract

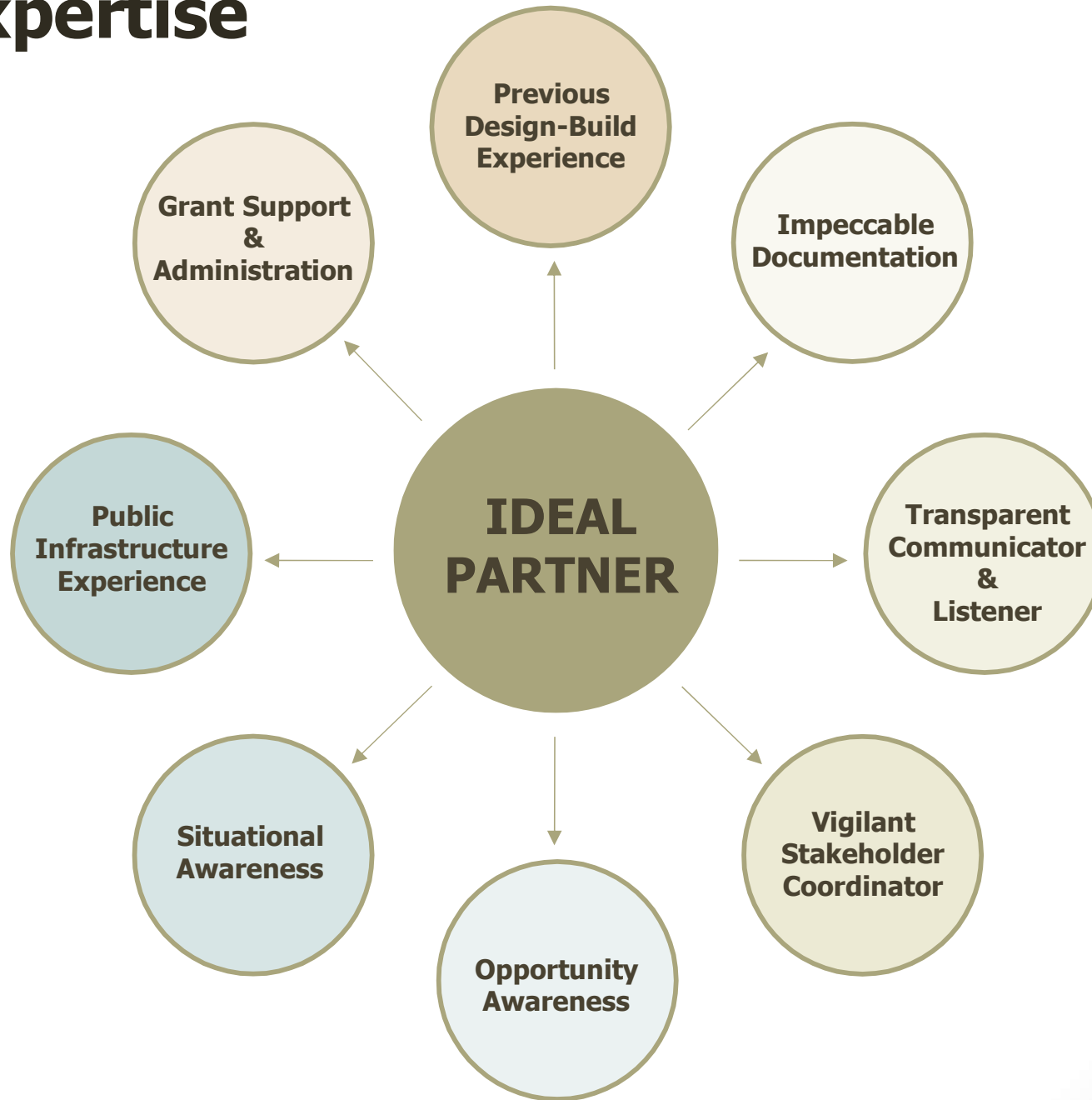
Approval for Award

Project goes to City Council for approval

DESIRED QUALIFICATIONS

MIKE PRINZ, PE
DEPUTY DIRECTOR

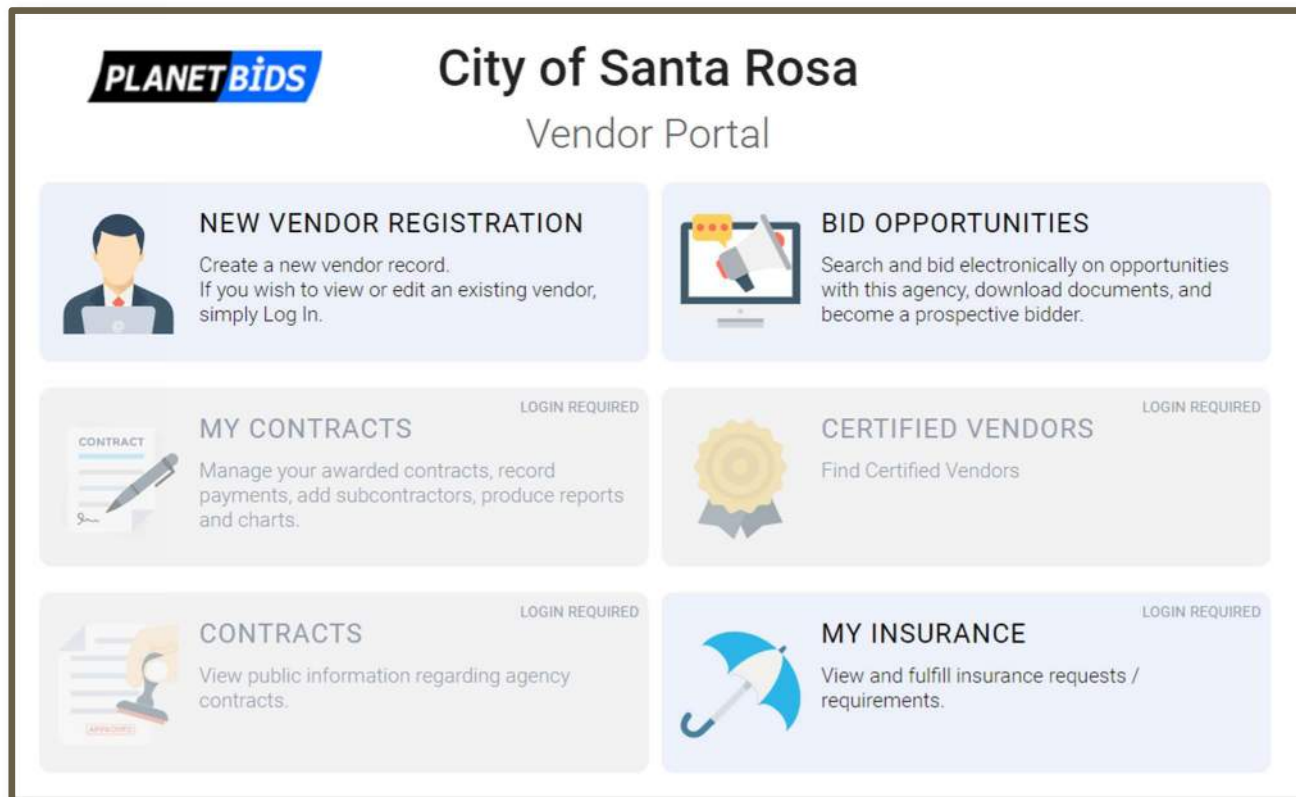
DB Expertise



City of Santa Rosa Vendor Portal OPPORTUNITIES AND FUTURE WORK

A list of upcoming projects out for bid can be found here:

<https://www.srcity.org/165/Bids-Proposals>
<https://pbsystem.planetbids.com/portal/20314/portal-home>



The screenshot shows the PlanetBids City of Santa Rosa Vendor Portal. The interface includes a logo for PlanetBids and the text 'City of Santa Rosa Vendor Portal'. There are six main menu items:

- NEW VENDOR REGISTRATION**: Create a new vendor record. If you wish to view or edit an existing vendor, simply Log In.
- BID OPPORTUNITIES**: Search and bid electronically on opportunities with this agency, download documents, and become a prospective bidder.
- MY CONTRACTS** (LOGIN REQUIRED): Manage your awarded contracts, record payments, add subcontractors, produce reports and charts.
- CERTIFIED VENDORS** (LOGIN REQUIRED): Find Certified Vendors.
- CONTRACTS** (LOGIN REQUIRED): View public information regarding agency contracts.
- MY INSURANCE** (LOGIN REQUIRED): View and fulfill insurance requests / requirements.

Thank you!

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Q&A