

# TOWN OF FAIRFAX STAFF REPORT April 3, 2019

TO:

Mayor and Town Council

FROM:

Garrett Toy, Town Manager Gr

SUBJECT:

Approve preliminary design and approve agreement with Fredric C. Divine Architects (FCDA) for structural engineering and architectural services in an amount not to exceed \$37,000 for the design for the Pavilion Seismic Retrofit

project

# RECOMMENDATION

1) Approve preliminary design as shown on the attached plans

2) Authorize the Town Manager to execute an agreement with Fredric C. Divine Architects (FCDA) for services in an amount not to exceed \$37,000 to prepare plans and specs for the Pavilion Seismic Retrofit project

# BACKGROUND

In 2008, the Town applied for a FEMA Hazard Mitigation grant for the seismic retrofit (i.e., building protection from earthquakes) and ADA improvements (i.e., bathrooms, doors, ramp) for the Fairfax Pavilion building. Around 2010, the Town was awarded a \$450,000 grant with a \$150,000 (25%) local match.

In December 2017, staff provided the Council with a historical time line of the project (see attached staff report from 2017) detailing the delays, actions, and meetings with the following "Agencies" since 2012:

- Federal Emergency Management Agency (FEMA)
- California State Historic Preservation Officer (SHPO)
- California Office of Emergency Services (Cal-OES)
- Federated Indians of Graton Rancheria (FIGR)

At the Council's December meeting, the Council authorized staff to sign the Programmatic Agreement (PA) for the project. All the above parties signed the PA by the end of February 2018. The fully executed PA allows the Town to conduct the necessary soil borings to determine the foundation design for the project. The site is a documented Native American shell mound site (i.e., midden) and the subject of prior studies. The primary concern of the above Agencies is limiting and mitigating the project's ground disturbance to the midden.

#### DISCUSSION

In May 2018, the Town approved an agreement with FCDA for geotechnical, structural engineering, archaeological, and architectural services for the preliminary foundation design

for the Pavilion Seismic Retrofit project. The scope of work was for the geological testing, update to conceptual structural plans based on the soil testing results, allowance for Tribe monitoring costs, allowance for architectural services needed for the PA, and services required per the Archaeological Treatment Plan (ATP) for the soil borings. Per the Archaeological Treatment Plan, which is an exhibit to the PA, the Town is required to retain a qualified archaeologist to examine and analyze the soil borings on-site.

The soil borings were performed in June 2018 and the draft ATP, which included the monitoring and analysis of the soil samples, was submitted to FEMA in August 2018. FEMA then distributed the ATP to all the Agencies for review and comment. FEMA approved the ATP approved in December 2018. At that time, FEMA authorized us to proceed with the preliminary foundation and ADA improvement designs.

The project is basically as originally envisioned: expanded ADA restrooms, ADA ramp and door improvements, and seismic retrofit improvements. The \$600,000 budget does not allow for any other improvements. Specifically, the ADA improvements are estimated to cost approximately \$320,000 and the seismic improvements, which consist of adding sheer walls at selected locations on the foundation, is estimated to cost \$200,000. The remaining \$80,000 would be for design, engineering, and construction management services. The budget does not provide for a project contingency which would be needed due to the age of the structure, construction history, and other potential unknown issues regarding the plumbing, electrical, and mechanical elements of the building.

The architect would also design for a bid alternate to include additional sheer walls within the building. While the current seismic retrofit design meets life-safety standards, in larger seismic events, the building may not be able to be restored to a habitable condition (i.e., must be demolished). The additional sheer walls would enhance the structure's lateral support and would increase its ability to be renovated after a seismic event.

The budget does not provide for any additional improvements such as replacing the roof or remodeling the kitchen. Staff recommends that such improvements be funded as a separate project so as not to require approval from FEMA and the other involved Agencies which would further complicate the design approval process. The State Prop 68 Parks Per Capita Program should become available soon and that program could be a source of funding for additional improvements.

Per the Programmatic Agreement, the Town must submit to FEMA the preliminary design for the project for review and approval by FEMA and the other Agencies. Before staff submits the design to FEMA for review, we wanted to confirm the Council's understanding of the project.

Attached is the FCDA proposal for construction design and engineering services. This contract does include the services needed to assist us with this initial design submittal to FEMA, which is due in April. FCDA has worked on this project from its inception and its sub-

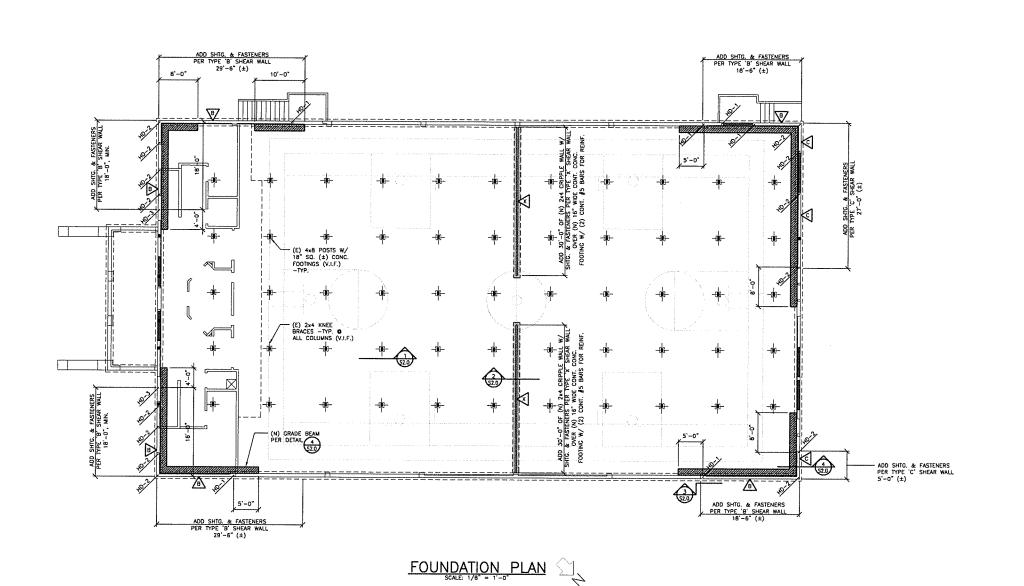
consultant team of Andersson/Woodrow structural design and engineering and Tom Origer & Associates is very familiar with the project. Based on the team's familiarity with the project and Origer's working relationship with FIGR, FEMA has granted us an exception to FEMA consultant selection process. This will allow the Town to forego FEMA's RFP process and contract with FCDA. The proposal is a not-to-exceed amount of \$37,000 plus a 10% administrative fee to manage the archaeologist (Origer) and FIGR agreements. The Town may enter into separate agreements with Origer and FIGR or amend the agreement with FCDA for FCDA to contract with those two entities at a later date. The scope of work includes services through bid award. We will amend the contract for construction management when we get to the construction period.

### FISCAL IMPACT

The adopted FY18-19 Capital Improvement Program budget (Pavilion Fund 51-909) allocated \$65,000 for design and engineering services.

## **ATTACHMENTS**

- A. Foundation Plan
- B. Restroom Plan
- C. Proposed Scope of Work (to be issued in a supplemental report)



- NOTE: Special Inspection is required DURING installation of adhesive anchors at all engineered shearwalls and hold-downs.

CUTADU		SCHEDULE	
/	-	DENOTES HOLDOWN	
$\triangleright$	-	DENOTES SHEARWALL REFERENCE SHEAR WALL SCHEDULE	

PLAN NOTES:

		Nail Spacing (EN)	Sil Plate Anchors		Allowable Shear (pl		
Туре	Material	at Panel Edges	Concrete	Wood	footnotes	Seame	Win
x	1/2" STRUC I PLYWOOD	8d @ 6°	5/8" x 12" @ 48"	505 1/4×6 @ 12*	NA	260	364
A	1/2" STRUC ! PLYWOOD	10d @ 4*	5/8" x 12" @ 32"	505 1/4×6 @ 81	a, b, c, d	510	71.
B	1/2" STRUC I PLYWOOD	10a @ 3*	5/8" * 12" @ 24"	505 1/4×6 @ 6"	a, b, c, d	665	931
С	1/2° STRUČ I PŁYWOOD	104 @ 2'	5/8' x 12' @ 16'	505 1/4×6 @ 4"	a, b, c, d	870	1218
2. Sp 3. Ali 4. Us 5. Ali 6. Si wi	uds shall be spaced at 16" o.c. mawn acc ruish at 12" o.c. along intermedia unsupported panel edges shall be blue only Common or Galvanized Box nails bear panels are to be continuous be a naicher botts shall have a 7" min, mit in oncher botts shall have a 7" min, emb in one bott located not more than 12" to washers (3" o" 3" i 14" thick, ment to washers (3" o" 3" i 14" thick, ment	te framing members icked and edge-nailed (EN) s for all panel and sill plate nails tween horizontal diaphragms (n icdment into concrete or maso for less than 4° from each end,	ng (Galvanized rails shall oof to floor, floor to floo nry. There shall be a mo	be hot dipped or tumble or, lloor to foundation)		l plate,	
footno	otes: uds and/or blocking at adjoining panel Il plates shall be 3x minimum (4x 5ill pl.	edges shall be 3x minimum (4x	required at panel types	EE and FF) and rails sha	il be staggered.		
	sill plates at existing walls may be up			a with (d) I Od over block			
(d) St	DS 1/4x6: Simpson Strong-Drive wood agger screws in two rows (1-3/4 inch all be counter-bored (1-inch) to provi	screws into joist or blocking to apart) into 4x loist or blocking	oclow. Predniing may b	e required depending on	mosture center	t of wood. ski piatos	

MARK	'SIMPSON' HOLDOWN	ANCHOR SIZE & EMBEDMENT WITH 'SIMPSON' "SET" EPOXY	DETAIL REFERENCE
HD-1	H010A	7/8"0 WITH 13 1/4" EMBED.	3 329
HD-2	HD14A	1"2 WITH 15" EMBED.	3 52.0 SIM.
HD-3	PH02-S0S3	5/8"Ø WITH 9 1/2" EMBED.	3 SIM.

**NOT FOR CONSTRUCTION** 

PROPOSED SEISMIC RETROFIT TO THE: FAIRFAX PAVILION

ANDERSSON WOODROW
STRUCTURAL AND ARCHITECTURAL ENGINERRING
6 SCHOOL STREET, SUITE 180
FAIRFAX, CA 94930
PH: 415.453.3431 FAX: 415.453.1280

08.22.08

FOUNDATION PLAN

**S1.1** 

