ITEM 21

Agenda of June 17, 2010

TO: Sacramento Area Flood Control Agency
   Board of Directors

FROM: Stein M. Buer, Executive Director
       (916) 874-7606

SUBJECT: INFORMATION – NATOMAS LEVEE IMPROVEMENT PROGRAM UPDATE

OVERVIEW:
This update includes a status of the construction, design, permitting and right of way activities for the Natomas Levee Improvement Program.

RECOMMENDATION:
Staff recommends that the Board receive and file this report.

MEASURES/EVALUATION:
This is an ongoing item. Success will be measured by implementation of the program on schedule and according to budget.

FISCAL IMPACT:
This information item does not have a fiscal impact.

ENVIRONMENTAL IMPACT:
This information item does not have an environmental impact.

DISCUSSION

Overview
The entire Natomas Levee Improvement Program (NLIP) is currently divided into four major project phases, as shown in the attached Figure 1, “Construction Phasing Map”. The project phases are further subdivided for the purpose of grouping project elements for environmental documentation and permitting purposes. These are further subdivided and identified by levee reaches for the purpose of grouping work for efficient construction contracting, as shown in Figure 1.

Program Phase 1 has been completed by SAFCA.
The major components of Program Phase 2 are under construction by Teichert Construction and Independent Construction and will be completed by the end of the 2010 construction season.

Program Phase 3b, which corresponds to Sacramento River east levee (SREL) Construction Phase 2B, moved into the construction phase on May 6, 2010 when the construction contract was awarded to Nordic Industries. It is scheduled for completion by the end of the 2011 construction season.

SAFCA staff and consultants are working closely with the U.S. Army Corps of Engineers (USACE) and other permitting agencies to complete the NEPA review, obtain the remaining permits, complete right-of-way acquisition, and finalize designs for levee construction for Program Phase 4a, which corresponds to Construction Phase SREL 3 (Table 1). The SREL 3 construction contract is scheduled for award in November 2010. Prior to award of the contract, SAFCA will carefully review updated program costs and the status of State funding and cash reserves to assure that construction can be fully funded. At this time, there is some uncertainty with regard to our ability to award this contract and remain within our funding limits.

While modification of the irrigation and drainage pumping stations spaced around the perimeter of the Natomas Basin can largely be deferred to the Federal phase of program implementation, SAFCA and RD 1000 staffs believe that it is particularly important to reconstruct RD 1000’s Pumping Plant 2, on the Sacramento River east levee at Prichard Lake. This pumping plant is also eligible for Federal cost sharing under the Federal Emergency Management Agency’s (FEMA’s) disaster rehabilitation program as a result of the 2006 flood fight activities at the site. SAFCA will be working with RD 1000 and the Natomas Central Mutual Water Company (NCMWC) to discuss various options and priorities for action, which will be under consideration prior to award of the Phase 4a levee construction contract.

Current evaluations by SAFCA staff and consultants indicate that the proposed work will be sufficient to meet the 50 percent completion criterion needed to achieve a remapping of the Natomas Basin with a FEMA A99 zone designation. However, FEMA has not yet reviewed SAFCA’s proposed approach to calculating project completion thresholds, so our conclusion has not yet been confirmed.

The USACE is taking the lead on completion of the NLIP Phase 4b environmental documentation in coordination with preparation of the Post-Authorization Change Report (PACR), due to be completed in late 2010. If Congress authorizes Federal participation in the program in 2010, the USACE will construct levee improvements along the southern and eastern portions of the Natomas Basin (NLIP Phases 3c and 4b), leading to achievement of both 100-year and 200-year levels of flood protection over time. The USACE has indicated that it intends to begin construction in 2011. However, getting the USACE into construction in 2011 is a very optimistic goal and will require completion of the PACR, authorization of the project, and appropriations by Congress, all in late 2010. It is possible that the 100-year features could be completed as soon as 2014 and the 200-year features the following year.
However this estimate of the schedule for completion of the program is optimistic, with later completion dates more likely. Given the major challenges involving Federal authorization and appropriations still to be overcome, it is too early to set firm dates for the completion of the USACE work.

The following is a summary of the status of key elements of the program.

**Status of Construction Efforts**

Construction contracts are designated by contract numbers assigned by Sacramento County Department of Fiscal Services, and names which are developed by SAFCA to reflect the nature of the proposed work, including the levee reaches to be modified as shown in Figure 1, Construction Phasing Map.

**Natomas Cross Canal South Levee (NCCSL) Phase 2/Sacramento River East Levee (SREL) Phase 1 (Reach 1) - Contract 3980**

Teichert Construction has completed the work on the NCC south levee portion of this project (Figure 2). Permanent paving repairs and striping of Howsley Road was completed on June 9, 2010.

Work on the Sacramento River East Levee - 1A (SREL-1A) portion of the project has been substantially completed. Remaining work includes completion of the patrol road on the top of the new levee. The completed work includes the partial re-construction and re-alignment of the Garden Highway. The re-alignment required a three day road closure and detour of non-local traffic from the Garden Highway at Sankey Road. Sankey Road was re-opened to traffic on June 9, 2010.

**SREL Phase 1B (Reaches 2-4B), Elkhorn Irrigation Canal Phase 1 and Giant Garter Snake (GGS)/Drainage Canal Phase 1 - Contract 4032**

Independent Construction Company is currently completing the construction of the seepage berm in Reach 4B, the Elkhorn Reservoir sedimentation basin, and the GGS canal east of the Garden Highway, between RD 1000 Pumping Plant 2 and Teal Bend Golf Club. Work on the Elkhorn Canal is also under construction (Figure 3). Independent has degraded the stability berm north and south of Riego Road at Garden Highway and is currently constructing the working platform for the installation of the cutoff wall. Installation of the cutoff wall is anticipated to commence during the week of June 14th. Riego Road will be closed at Garden Highway during the period June 14th through August of 2010 to allow for this work. SAFCA and Sutter County require that appropriate signage and traffic control be installed at affected road intersections to facilitate the efficient use of alternate routes during the closure period.
SREL Reaches 1-4A Private Irrigation Facility Relocation Project - Contract 4007

This construction contract was awarded in December 2008. The contract includes construction of a replacement canal and water wells in the Phase 2 adjacent levee and canal footprint (Figure 4). Some remaining work is needed to outfit the new wells that were constructed under the contract. Completion of this work is anticipated in July 2010.

SREL-2B (Sac River Reaches 5A-9B) and SREL-3 (Sac River Reaches 10-15) Tree Removal Project - Contract 4044

The SREL-2B (Reaches 5A through 9B) and SREL-3 (Reaches 10 through 15) Tree Removal Project, Contract 4044, includes the removal of trees in the adjacent levee footprint to prepare for levee construction (Figure 5). Tree removal within the levee footprint in Reaches 10-15 is also included in this contract, but SAFCA now anticipates that its levee improvement construction efforts will be limited to reaches 10-12A (I-5 to just east of Powerline Road) and will not proceed with tree removal until construction of the levee improvements for these reaches is ready to proceed. The contract was awarded to W.C. Maloney Inc., in December 2009. The contractor has substantially completed the tree removal in Reaches 5A through 9B.

SREL Phase 2A (Reaches 5A-9B) Structure Demolition and Tree Removal, Elkhorn Irrigation Canal Phase 2A Construction and Private Irrigation Facility Relocation Project – Contract 4047

This contract includes the Elkhorn Irrigation Canal Phase 2A relocation south of Teal Bend Golf Club (Figure 6) as well as demolition of structures in the adjacent levee and canal footprints, including the removal of trees within the contract work areas. The goal of this construction contract is to relocate the canal and demolish the structures in advance of the levee construction to prepare the footprint for 2010 construction of the adjacent levee for the Sacramento River East Levee in Reaches 5A through 9B. Contract 4047 was awarded to Teichert Construction in December 2009. Demolition and tree removal work is nearing completion and canal relocation is in progress.

SREL Phase 1C (Reaches 1-2) Private River Diversion Pump Replacement Project – Contract 4053

This contract involves the replacement of several private river diversion pumping plants that would otherwise be negatively impacted by the NLIP improvements due to the raising of the Sacramento River east levee (Figure 7). This contract was awarded to Howk Systems in February 2010. Pump replacement work is in progress and will continue on separate schedules for each of the three locations through the fall of 2010.
NLIP – Phase 2 Woodland Corridor Mitigation and Enhancement Project - Contract 4055

This contract involves planting trees and creating associated habitat in a linear corridor that stretches 5,600 feet along the landside of SREL Reaches 1 and 2 (Lauppe properties) (Figure 8), in accordance with the approved NLIP habitat conservation and mitigation plan. The contract was awarded to River Partners in March 2010. A notice to proceed was issued on May 18th. The contractor is currently conducting ground preparation activities and installing the irrigation system.

SREL Phase 2B (Reaches 5A through 9B) Improvements, Elkhorn Irrigation Canal Phase 2B Relocation, Giant Garter Snake / Drainage Canal Phase 2A Construction, Elkhorn Pumping Plant Discharge Pipe Modification and Natomas Cross Canal South Levee Phase 2B Improvement Project - Contract 4046

This project includes constructing an adjacent setback levee for SREL Reaches 5A through 9B, the GGS/Drainage Canal downstream of Elkhorn Reservoir, the School House Road Pipeline, the Teal Bend Pipeline, the modification of the discharge pipe at the Elkhorn Pump Station, and the Natomas Cross Canal South Levee Phase 2B Improvement Project (Figure 9). The project was awarded to Nordic Industries in May 2010.

A “Notice to Proceed” for this project has been issued for certain activities which are not impacted by limitations on submittals and permit approvals. The contractor is currently working with SAFCA to process the required submittals and permits. A key milestone to commencement of the SREL work includes the approval of the Airport Construction Safety Plan which is currently under review. Work on the NCC South Levee portion of this contract is anticipated to commence soon.

Work in Progress/Public Updates

SAFCA currently posts weekly construction updates on its website at www.safca.org/programs.natomas.html to inform the public of current and pending impacts to the community including working hours and impacts on traffic. In addition, SAFCA’s Ombudsperson, Jay Davis of Gualco Consulting, responds to a steady stream of inquiries from interested members of the public related to program planning, permitting, field studies, traffic, and construction activities and distributes notices of significant developments in the program to affected and interested parties. Most recently, on May 14 Gualco Consulting distributed a construction activity update to affected residents and property owners.

Right of Way (ROW) Updates

Figure 10 shows all properties directly affected by NLIP levee construction.
Phase 2 – ROW Update (NCCSL and SREL Reaches 1-4B)

Most of the immediate right of way issues for this area of the program have been resolved. SAFCA staff and consultants are working with DWR to expedite reimbursements to SAFCA for these acquisitions.

Phase 3 – ROW Update (SREL Reaches 5-9B)

Right of way activities are continuing on a number of parcels in anticipation of levee construction beginning in June 2010. Four key areas of concern include:

1. Teal Bend Golf Club
   The court recently granted SAFCA possession of the area necessary for construction of levee improvement in front of Teal Bend. SAFCA staff has met a number of times with the property owner and golf course operator. The owner and operator have concerns about the ability of the golf course to be open during construction. SAFCA’s engineering team has developed a detailed construction schedule and provided it to the owner and operator. SAFCA’s goal is to provide continuous access to the golf course, while reducing both short-term and long-term impacts on the course and business.

2. Garden Highway near the Interstate 5 Bridge
   SAFCA staff continues to coordinate directly with Caltrans, Sacramento Department of Transportation and the Sacramento County Regional Parks Department regarding this difficult construction area. Support columns and foundation pads for the bridge are immediately adjacent to the Garden Highway under the bridge. This proximity constrains the available engineering solutions for stability, underseepage and levee height issues which must be addressed in this section. The current design calls for removing the existing levee, building a stable foundation platform, installing a cutoff wall, reconstructing the levee approximately to its original elevation and constructing a floodwall to achieve the full height required to meet the 200-year design criteria. As a result, this short section of the Garden Highway will be detoured during construction. We have also developed a plan to maintain access to the boat ramp and the local restaurants.

3. Waterside Drainage Outfalls
   Where the adjacent levee will be constructed to a top elevation higher than the existing Garden Highway crown elevation, it will be necessary to pipe the runoff from the new drainage swale (located between the east side of the Garden Highway and the new levee section) under the roadway, down the waterside levee slope, across the waterside berm and into the river. SAFCA staff seeks to place these storm drains where they will have minimal impact on private properties by utilizing public properties or unimproved/vacant private properties wherever possible. Where conveyance across private property is necessary, the team seeks to minimize impacts to residents and property improvements, wildlife habitat, and cultural resources, while at the same time meeting the project design requirements. SAFCA’s consultants are continuing to work
on a report outlining the criteria involved in selecting each drainage location. The proposed selection criteria will be presented to the SAFCA Board prior to staff making site selection recommendations and negotiating with property owners. SAFCA staff and consultants will consider property owners’ input when developing the final designs and locations for the drains. This approach is consistent with the April 18, 2008 Settlement Agreement with the Garden Highway Community Association. The drainage lines will be constructed in 2010 and 2011 once final easements have been acquired. As with other right of way acquisition for NLIP, staff will make every reasonable effort to achieve voluntary settlements with affected property owners.

Phase 4a – ROW Update (SREL Reaches 10 thru 12B)

Postponing award of the Phase 4a construction contract until November will allow the team more time to meet with owners to better understand their concerns, and develop strategies to mitigate potential impacts. In turn, we hope this will allow more time to voluntarily settle many of the real estate transactions.

The relocation of two of the three owner-occupied homes affected by the construction will be complete this month. SAFCA staff is working with the third displacee to relocate in time for construction to begin in the Fall of 2010. Per the Board’s direction, we have allowed each owner a minimum of one year to relocate from the date of SAFCA’s initial offer. Discussions have begun with each of the remaining property owners regarding the design of the project and the direct impacts the project will have on their properties.

The right of way for the borrow sites and the Fisherman’s Lake mitigation sites will be purchased as part of Phase 4a. The mitigation designs are nearing completion. Detailed negotiations with The Natomas Basin Conservancy and private property owners are continuing. In order to maintain adequate SAFCA cash reserves, the current plan is to use the DWR process for direct payment of real estate costs to the greatest extent possible, rather than have SAFCA pay these costs upfront and await reimbursement from DWR.

Planning, Permitting and Design Updates

Phase 4a Project Update

The Phase 4a Project planning documents include the Sacramento River east levee Reaches 10-15 and work on the Natomas Cross Canal south levee at the Bennett and Northern Main pump stations. The EIR was certified by the SAFCA Board in November 2009. The public review for the Final EIS has been completed. The Record of Decision, Section 408 approval and issuance of the Section 404 permit are scheduled to be completed by the USACE in August 2010. Award of the contract for construction of improvements for SREL Reaches 10-12A of NLIP Phase 4a is scheduled for November, 2010. SAFCA staff is coordinating with RD 1000 and the NCMWC to determine to what extent Pumping Plant 2, Pumping Plant 5, Pritchard Lake Pump Station and Elkhorn Pump Station can be included in Phase 4a while meeting existing State/SAFCA funding constraints.
Phase 4b Project Update

The Phase 4b Project includes the Sacramento River East Levee Reaches 16-20; the American River North Levee; the Natomas East Main Drainage Canal West Levee from Sankey Road to Elkhorn Boulevard; additional improvements to the Pleasant Grove Creek Canal West Levee from Howsley Road to Sankey Road; additional improvements to the Natomas East Main Drainage Canal West Levee from Elkhorn Boulevard to Northgate Boulevard, any water supply and drainage pump station improvements which are needed but have been deferred from SAFCA’s construction program, and other improvements needed to provide a 200-year level of flood protection to the Natomas Basin.

SAFCA staff is currently working with the USACE on an evolving plan for completing this work using a combination of USACE and SAFCA resources. The USACE is preparing the PACR to identify the Federal interest in the NLIP.

A key component of the program will be a plan for dealing with existing trees on, or adjacent to the existing levee. SAFCA staff and consultants have completed an engineering evaluation of the effects of woody vegetation on levee stability, erosion resistance, and seepage resistance, with recommendations for the retention of most waterside vegetation. The evaluation and recommendations are consistent with the 2009 *California’s Central Valley Flood System Improvement Framework* and organized in accordance with the *Draft Policy Guidance on Variances from Vegetation Standards for Levees and Floodwalls* published in the Federal Register on February 9, 2010. The report on the evaluation and recommendations was approved by the SAFCA Board on March 18, 2010 and by the Central Valley Flood Protection Board (CVFPB) on March 26, 2010. The CVFPB has submitted the vegetation variance request to the USACE for inclusion in the Phase 4b EIS/EIS and PACR.

The PACR will be the basis for Congress to authorize Federal participation in the program, including authorizing credit for the SAFCA and State expenditures for the NLIP, increasing the cost ceiling (Section 902 limit) for the American River Common Features Project and authorizing the USACE to construct the remaining elements of the program.

The USACE has developed a detailed schedule that reflects the USACE's commitment to completing the EIS, PACR and Record of Decision by late 2010.


SAFCA and RD 1000 have jointly compiled an encroachment database and prepared an Administrative Draft Encroachment Management Policy Paper, which was made available to the CVFPB and the USACE for review. The database has also been made available to the public in compact disk format and on the www.safca.org website. Because review of the policy paper by the CVFPB and the USACE is on hold pending resolution of the vegetation variance issue (see previous section), SAFCA has made the administrative draft available for public review. SAFCA has requested a meeting with the USACE and CVFPB staff so that
interested members of the public may ask questions and provide comments on this draft before the encroachment evaluation process resumes. Comments can be directed to Jay Davis, Gualco Consulting, via telephone, email or regular mail:

Jay Davis, NLIP Ombudsman
jDavis@gualco.com
(916) 351-0600
Gualco Consulting
11230 Gold Express Drive #310
Gold River, CA 95670

Program Cost Update

The NLIP cost estimate has been updated to reflect the actual costs incurred, as well as to revise the costs for the remainder of the program based on recent bids and additional information on the extent of the Phase 4b components. SAFCA's estimate of the total program cost is $640 million. However, the USACE is developing a detailed cost estimate for NLIP to support the PACR and has indicated that their initial estimate is between $800 million and $900 million.

The current estimate of the cost of the portion of the program to be implemented by SAFCA and DWR is estimated at $354 million and does not include costs for reconstruction of RD 1000’s Plant 2, 3, 4 or 5 and NCMWC’s Pritchard and Elkhorn pumping plants. SAFCA and RD 1000 staffs believe that it is particularly important to reconstruct Pumping Plant 2, on the SREL at Prichard Lake at an estimated cost of $8 million. This pumping plant is likely eligible for Federal cost sharing under FEMA’s disaster rehabilitation program as a result of the 2006 flood fight activities at the site, which could cover up to half of the reconstruction cost. SAFCA will be working with RD 1000 and the NCMWC to discuss various options and priorities for action, which will be under consideration over the next six months prior to award of the Phase 4a levee construction contract.

FEMA A99 Update

The NLIP schedule anticipates that the requirements for FEMA’s A99 Zone flood insurance designation will be met by the end of 2011 and the remapping could occur by mid-2012. However, there is a risk that further reductions in the scope of the program to limit SAFCA and State costs will delay these dates. It is not yet clear how FEMA will interpret its requirement that construction must be 50 percent completed before an A99 flood risk zone rating can be achieved, and how the partial completion of NLIP Phase 4a would affect it. SAFCA staff is working with FEMA, the City and County of Sacramento and County of Sutter to clarify this issue. Even if we meet the construction and expenditure criteria for meeting the A99 designation, we will still need Congress to authorize the NLIP project in order to meet the "fully authorized" criteria for being eligible for an A99 designation.
FINANCIAL IMPLICATIONS

This report is an informational update on implementation of the NLIP. The program is currently within budget and there is no proposed action with this report.

POLICY IMPLICATIONS

There is no change in policy as a result of this report.

RECOMMENDATIONS

Staff recommends that the Board receive and file this report.
**CONSTRUCTION PHASING MAP**

**Natomas Levee Improvement Program**

April 7, 2010

### Legend

- **Construction by SAFCA**
- **Construction by USACE**

#### Construction by SAFCA

<table>
<thead>
<tr>
<th>Project Phase</th>
<th>Construction Phase (Award Date)</th>
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<tbody>
<tr>
<td>Phase 1 Project</td>
<td>NCC 1 (completed)</td>
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<tr>
<td>Phase 2 Project</td>
<td>NCC 2</td>
</tr>
<tr>
<td>Phase 3 Project (5A and 3B)</td>
<td>SREL 2A (December 10, 2009)</td>
</tr>
<tr>
<td>Phase 4A Project</td>
<td>SREL 1B (July 16, 2009)</td>
</tr>
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</table>

#### Construction by USACE

**Phase 3 Project (5C)**
- PGCC (2014)
- NEMDC South (2013)

**Phase 4A Project (continuation from SAFCA)**
- SREL 3 - Reaches 10 to 12A (August 2010)
- NCC 1B (completed)

**Phase 4B Project**
- SREL 1B (December 10, 2009)
- NEMDC North (2013)
- American River (2012)
- NCC 4 (2014)

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### Borrow Source

- USGS River Mile

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**Subject to Change**

Figure 1
FIGURE 2
Natomas Levee Improvement Program
NCCSL Phase 2 / SREL Phase 1 (Reach 1) - Contract 3980
Awarded: April 2009  Status: Nearly Complete
FIGURE 3
Natomas Levee Improvement Program
SREL Phase 1B (Reaches 2-4B), Elkhorn Irrigation Canal
Phase 1 and GGS/Drainage Canal Phase 1 - Contract 4032
Awarded: July 2009 Status: Ongoing
FIGURE 4
Natomas Levee Improvement Program
Private Irrigation Facility Relocation Project
SREL Reaches 1-4A - Contract 4007
Awarded: December 2008      Status: Nearly Complete

Natomas Cross Canal
Sankey Road
Sacramento River
Natomas Levee Improvement Program
Private Irrigation Facility Relocation Project
SREL Reaches 1-4A - Contract 4007
Awarded: December 2008      Status: Nearly Complete

4007
RM 79
RM 78
RM 77
RM 76
4A

0.25 Miles

N
S
E
W
Legend - Contract 4044
- Proposed Tree Removal and Transplanting
- Schedule A
- Proposed Tree Removal and Transplanting
- Schedule B - Execution Subject to Funding

FIGURE 5
NATOMAS LEVEE IMPROVEMENT PROGRAM
SREL Phase 2B Reaches 5A-9B and Phase 3 Reaches 10-15
Tree Removal Project - Contract 4044: Schedules A and B
Awarded: December 2009 Status: Ongoing

Source: Imagery - NAIP, 2006
Data - AECOM, Mead & Hunt, 2009
FIGURE 6
NATOMAS LEVEE IMPROVEMENT PROGRAM
SR East Levee Phase 2A, Reaches 5A-9B
Structure Demolition and Tree Removal, Elkhorn Irrigation Canal
Phase 2A Construction & Rel. Project - Contract 4047
Awarded: December 2009    Status: Ongoing

Legend - Contract 4047

- Elkhorn Irrigation Canal Relocation
- Structure Demolition
- Tree Removal
- Private Irrigation Relocation
FIGURE 7
Natomas Levee Improvement Program
Private River Diversion Pump Replacement
SREL Phase 1C Reaches 1-2 - Contract 4053
Awarded: February 18, 2010 Status: Ongoing
FIGURE 8
NATOMAS LEVEE IMPROVEMENT PROGRAM
Phase 2 Woodland Corridor Mitigation and Enhancement Project
Contract 4055
Awarded: March 18, 2010  Status: Ongoing

Legend - Contract 4055
Woodland Habitat Mitigation Area

Source:
Imagery - NAIP, 2006
Data - AECOM, Mead & Hunt, 2009
FIGURE 9
NATOMAS LEVEE IMPROVEMENT PROGRAM
SR East Levee Phase 2B (Reaches 5A-9B) - Contract 4046
Awarded: May 6, 2010 to Nordic Ind. Status: Constr. in Sub. Stage

SREL 2B LEVEE IMPROVEMENT

PRICHARD LAKE PUMPING PLANT

PUMPING PLANT NO. 2

Teal Bend Golf Club

LOWER GGS/DRAINAGE CANAL

SCHOOLHOUSE ROAD PIPELINE

ELKHORN PUMPING PLANT

Sacramento River

Sacramento International Airport (SMF)

Total Length: 7.07 Miles

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FIGURE 9
<table>
<thead>
<tr>
<th>Month</th>
<th>Year</th>
<th>REAL ESTATE</th>
<th>DESIGN</th>
<th>ENV REVIEW</th>
<th>PERMITTING</th>
<th>COST-SHARING</th>
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<tbody>
<tr>
<td>AUGUST</td>
<td>2009</td>
<td>• Presented offer &amp; relocation package to Hewitt</td>
<td>• Approve contract documents &amp; authorize</td>
<td>• Public Review of Draft Phase 4A EIS/EIR (USACE/SAFCA) (9-17-09)</td>
<td>• Submit CFPB Encroachment Permit application for SREL 3 (SAFCA Staff) (10-14-09)</td>
<td>• SAFCA submits Section 104/2003 request for SREL 3 (SAFCA staff) (11-4-09)</td>
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<td>SEPTEMBER</td>
<td>2009</td>
<td>• Work with engineering team to identify necessity of each acquisition&lt;br&gt;• Present offer &amp; relocation package to Heinrich</td>
<td>• Complete 60% plans &amp; specs for SREL-3 (SAFCA Staff) (10-14-09)&lt;br&gt;• Award Tree &amp; Elderberry Relocation Contract (SAFCA Board) (10-15-09)</td>
<td>• SAFCA Board Certifies Final EIR (SAFCA Board) (11-13-09)</td>
<td>• Submit Phase 4 408 Summary Report to CFPB (SAFCA staff) (11-13-09)</td>
<td>• FAA 7460 permit for SREL 3 (4-26-10)&lt;br&gt;• Approve 408 request for Phase 4a Project (CFPB) (4-23-10)</td>
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<td>OCTOBER</td>
<td>2009</td>
<td>• Resolutions of Necessity to SAFCA Board (10-15-09)&lt;br&gt;• Complete 60% plans &amp; specs for SREL-3 (SAFCA Staff) (10-14-09)&lt;br&gt;• Award Tree &amp; Elderberry Relocation Contract (SAFCA Board) (10-15-09)</td>
<td>• SAFCA Board Certifies Final EIR (SAFCA Board) (11-13-09)</td>
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<td>• Submit Phase 4 408 Summary Report to CFPB (SAFCA staff) (11-13-09)</td>
<td>• FAA 7460 permit for SREL 3 (4-26-10)&lt;br&gt;• Approve 408 request for Phase 4a Project (CFPB) (4-23-10)</td>
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<td>NOVEMBER</td>
<td>2009</td>
<td>• Resolutions of Necessity to SAFCA Board (11-13-09)&lt;br&gt;• Complete 60% plans &amp; specs for SREL-3 (SAFCA Staff) (10-14-09)&lt;br&gt;• Award Tree &amp; Elderberry Relocation Contract (SAFCA Board) (10-15-09)</td>
<td>• SAFCA Board Certifies Final EIR (SAFCA Board) (11-13-09)</td>
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<tr>
<td>DECEMBER</td>
<td>2009</td>
<td>• Presented offers to: AKT, Natomas Boot, Bollinger&lt;br&gt;• Resolution of Necessity to SAFCA Board (12-10-09)</td>
<td>• Continue to negotiate with property owners</td>
<td>• Continue to negotiate with property owners</td>
<td>• Continue to negotiate with property owners</td>
<td>• Continue to negotiate with property owners</td>
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<td>JANUARY</td>
<td>2010</td>
<td>• Present offers to: Kubo, TBS Family, TBS Sharma (res)&lt;br&gt;• Resolutions of Necessity to the SAFCA Board (1-21-10)</td>
<td>• Present offer to: MKG&lt;br&gt;• Resolutions of Necessity to SAFCA Board (2-18-10)</td>
<td>• Public Review Started Final Phase 4A EIS (USACE) (2-19-10)</td>
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<td>• Continue to negotiate with property owners</td>
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<td>FEBRUARY</td>
<td>2010</td>
<td>• Present offer to: MKG&lt;br&gt;• Resolutions of Necessity to SAFCA Board (2-18-10)</td>
<td>• Continue to negotiate with property owners</td>
<td>• Continue to negotiate with property owners</td>
<td>• Continue to negotiate with property owners</td>
<td>• FAA 7460 permit for SREL 3 (4-26-10)&lt;br&gt;• Approve 408 request for Phase 4a Project (CFPB) (4-23-10)</td>
</tr>
<tr>
<td>MARCH</td>
<td>2010</td>
<td>• Continue to negotiate with property owners&lt;br&gt;• Obtain appraisal and present offer to: Souza</td>
<td>• Obtain appraisals and present offers to: Sorenson&lt;br&gt;• Resolution of Necessity to SAFCA Board (4-15-10)&lt;br&gt;• Continue to negotiate with property owners</td>
<td>• Issue Final Biological Opinion(s) (USFWS) (5-20-10)</td>
<td>• Issue Final Biological Opinion(s) (USFWS) (5-20-10)</td>
<td>• FAA 7460 permit for SREL 3 (4-26-10)&lt;br&gt;• Approve 408 request for Phase 4a Project (CFPB) (4-23-10)</td>
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<tr>
<td>APRIL</td>
<td>2010</td>
<td>• Present offer to Willey&lt;br&gt;• Resolution of Necessity to SAFCA Board (5-20-10)</td>
<td>• Obtain appraisal on Willey&lt;br&gt;• Present relocation package to: Kubo&lt;br&gt;• Continue to negotiate with property owners</td>
<td>• Issue Final Biological Opinion(s) (USFWS) (5-20-10)</td>
<td>• Issue Final Biological Opinion(s) (USFWS) (5-20-10)</td>
<td>• FAA 7460 permit for SREL 3 (4-26-10)&lt;br&gt;• Approve 408 request for Phase 4a Project (CFPB) (4-23-10)</td>
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<td>MAY</td>
<td>2010</td>
<td>• Present offer to Willey&lt;br&gt;• Resolution of Necessity to SAFCA Board (5-20-10)</td>
<td>• Present relocation package to: Souza tenants, Siddiqui tenants&lt;br&gt;• Continue to negotiate with property owners</td>
<td>• Issue Final Biological Opinion(s) (USFWS) (5-20-10)</td>
<td>• Issue Final Biological Opinion(s) (USFWS) (5-20-10)</td>
<td>• FAA 7460 permit for SREL 3 (4-26-10)&lt;br&gt;• Approve 408 request for Phase 4a Project (CFPB) (4-23-10)</td>
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<td>JUNE</td>
<td>2010</td>
<td>• Present offer to Willey&lt;br&gt;• Resolution of Necessity to SAFCA Board (6-17-10)</td>
<td>• Obtain appraisals and present offers to: Huffstutler &amp; Siddiqui south&lt;br&gt;• Gain possession of un-occupied parcels</td>
<td>• Issue Record of Decision(s) on NLIP/Phase 4A Project Final EIS (USACE SPK and HQ) (8-14-10)</td>
<td>• Issue Record of Decision(s) on NLIP/Phase 4A Project Final EIS (USACE SPK and HQ) (8-14-10)</td>
<td>• FAA 7460 permit for SREL 3 (4-26-10)&lt;br&gt;• Approve 408 request for Phase 4a Project (CFPB) (4-23-10)</td>
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<td>JULY</td>
<td>2010</td>
<td>• Gain possession of occupied parcels&lt;br&gt;• Resolution of Necessity to SAFCA Board (8-19-10)</td>
<td>• Complete 90% plans and specs for SREL 3 (SAFCA Staff) (8-23-10)</td>
<td>• Issue Record of Decision(s) on NLIP/Phase 4A Project Final EIS (USACE SPK and HQ) (8-14-10)</td>
<td>• Issue Record of Decision(s) on NLIP/Phase 4A Project Final EIS (USACE SPK and HQ) (8-14-10)</td>
<td>• FAA 7460 permit for SREL 3 (4-26-10)&lt;br&gt;• Approve 408 request for Phase 4a Project (CFPB) (4-23-10)</td>
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<td>AUGUST</td>
<td>2010</td>
<td>• Gain possession of occupied parcels&lt;br&gt;• Resolution of Necessity to SAFCA Board (8-19-10)</td>
<td>• Complete 100% plans &amp; specs for SREL 3 (SAFCA Staff) (8-23-10)</td>
<td>• Issue Record of Decision(s) on NLIP/Phase 4A Project Final EIS (USACE SPK and HQ) (8-14-10)</td>
<td>• Issue Record of Decision(s) on NLIP/Phase 4A Project Final EIS (USACE SPK and HQ) (8-14-10)</td>
<td>• FAA 7460 permit for SREL 3 (4-26-10)&lt;br&gt;• Approve 408 request for Phase 4a Project (CFPB) (4-23-10)</td>
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<td>SEPTEMBER 2010</td>
<td>• Approve contract documents for SREL 3 &amp; authorize advertisement for bids (SAFCA Board) (9-23-10)</td>
<td></td>
<td>• Approve permit for SREL 3 Project (CVFPB) (9-24-10)</td>
<td>• ASA approves Section 104/130 credit for SREL 3 (9-24-10)</td>
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<td>OCTOBER 2010</td>
<td>• Advertise SREL 3 Construction Contract (10-4-10 to 11-1-10)</td>
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<td></td>
<td>• Issue 2081 Permit SREL 3 (CDFG) (10-8-10)</td>
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| NOVEMBER 2010 | • Open SREL 3 Bids (11-1-10)  
• Award SREL 3 Construction Contract (SAFCA Board) (11-18-10) | | | |