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MEETING NOTICE AND AGENDA

MEMBER AGENCIES

- Cities of
- Carlsbad
- Chula Vista
- Coronado
- Del Mar
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- Encinitas
- Escondido
- Imperial Beach
- La Mesa
- Lemon Grove
- National City
- Oceanside
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- Solana Beach
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- and
- County of San Diego

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- Imperial County
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- North County Transit District
- United States Department of Defense
- San Diego Unified Port District
- San Diego County Water Authority
- Southern California Tribal Chairmen's Association
- Mexico

SHORELINE PRESERVATION WORKING GROUP

The Shoreline Preservation Working Group may take action on any item appearing on this agenda.

Thursday, February 4, 2010

11:30 a.m. to 1 p.m.

SANDAG, 7th Floor Conference Room
 401 B Street, Suite 800
 San Diego, CA 92101-4231

Staff Contact: Shelby Tucker
 (619) 699-1916
 stu@sandag.org

Guiding Principles:

- commitment to unified approach for local decisions on sand replenishment;
- address local needs and maximize positive regional impacts;
- encourage cooperation and coordination;
- contribute equitable fair share from local participants; and
- promote opportunities for beach sand replenishment

AGENDA HIGHLIGHTS

- **UPDATE ON QUALITY OF LIFE FUNDING STRATEGY**
- **REGIONAL BEACH SAND PROJECT II UPDATE**

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SHORELINE PRESERVATION WORKING GROUP

Thursday, February 4, 2010

ITEM #	RECOMMENDATION
1. WELCOME AND INTRODUCTIONS	COMMENTS
2. PUBLIC COMMENTS/COMMUNICATIONS	COMMENTS
Members of the public will have the opportunity to address the Shoreline Preservation Working Group (SPWG) during this time.	
+3. SUMMARY OF THE DECEMBER 3, 2009, MEETING	APPROVE
The December 3, 2009, meeting summary is attached for working group review and approval.	
4. COASTAL TRAINING FOR DECISION MAKERS	INFORMATION
The Coastal Training Program (CTP) of the National Oceanic and Atmospheric Administration's Tijuana River National Estuarine Research Reserve is developing a "Planning for Climate Change" training workshop to be held in the spring in partnership with the San Diego Foundation and Local Governments for Sustainability. San Diego is uniquely poised as a leader in adaptation planning in Southern California, and "Planning for Climate Change" is intended to be the start of this important conversation. With participation and interest from the SPWG, the CTP plans to build on this training with more modules to develop a framework for the planning process in local coastal communities. In addition, the CTP is releasing a needs assessment to determine training and technical assistance needs among coastal decision makers and hopes to solicit input from the SPWG.	
5. UPDATE ON QUALITY OF LIFE FUNDING STRATEGY	INFORMATION
The Quality of Life Stakeholder Working Group was established in 2009, and their first meeting took place on January 20, 2010. SANDAG staff will provide the working group with an update on the efforts of the Quality of Life Stakeholder Working Group, as well as the SANDAG Quality of Life Ad Hoc Steering Committee and other efforts associated with developing a regional Quality of Life Funding Strategy.	
+6. REGIONAL BEACH SAND PROJECT II (RBSP II) UPDATE	INFORMATION
SANDAG staff, Chris Webb from Moffatt and Nichol, and members of the consultant team will provide the working group with an update on the status of Phase II efforts, which include the environmental, permitting, and final engineering for the RBSP II.	

ITEM #

RECOMMENDATION

7. LEGISLATIVE UPDATE

INFORMATION

Steve Aceti from the California Coastal Coalition (CalCoast) will discuss the status of state and federal legislation related to the shoreline management program.

8. ADJOURNMENT AND NEXT MEETING

INFORMATION

The next regularly scheduled working group meeting is Thursday, April 1, 2010, from 11:30 a.m. to 1 p.m.

+ next to an item indicates an attachment

San Diego Association of Governments
SHORELINE PRESERVATION WORKING GROUP

February 4, 2010

AGENDA ITEM NO.: **3**

Action Requested: APPROVE

SUMMARY OF THE DECEMBER 3, 2009, MEETING

File Number 3200200

Members in Attendance:

Pam Slater-Price, County of San Diego, Chair
Joe Kellejian, City of Solana Beach, Vice Chair
Lorie Bragg, City of Imperial Beach
Mark Filanc, City of Del Mar
Ann Kulchin, City of Carlsbad
Esther Sanchez, City of Oceanside
Mike Woiwode, City of Coronado
Mitch Perdue, U.S. Navy

Advisory Members in Attendance:

Steve Aceti, California Coastal Coalition (CalCoast)
August Felando, California Lobster and Trap Fishermen's Association (CLTFA)
Robert Hoffman, National Marine Fisheries Service
Michele Okihiro, Scripps Institution of Oceanography
Julie Thomas, Scripps Institution of Oceanography

Staff Subgroup:

Steven Jantz, City of Carlsbad
Leslea Meyerhoff, City of Solana Beach
Frank Quan, City of Oceanside
Greg Wade, City of Imperial Beach
Kathy Weldon, City of Encinitas

Others in Attendance:

Jim Jaffee, Surfrider Foundation
Darryl Hatheway, AECOM
Mark Rauscher, Surfrider Foundation
Joe Exline, Oceanside Anglers Club
Tom Cook, Surfrider Foundation
Bud Carroll
Cindy Kinkade, AECOM
Karen Green, SAIC
Anne-Lise Lindquist, Moffatt & Nichol
Chris Webb, Moffatt & Nichol

Lawrence Honma, Merkel & Associates
Barry Snyder, AMEC
Teri Fenner, AECOM
Ann Dunham, Seacoast Preservation
Danny Schrotberger, City of San Diego
Andrew Hoskinson, Hofman Planning
Sachiko Kohatsu, County of San Diego
John Dorow, SANDAG
Keith Greer, SANDAG
Shelby Tucker, SANDAG
Kim Roeland, SANDAG

1. Welcome and Introductions

Chair Pam Slater-Price, County of San Diego, called the SPWG meeting to order at 11:37 a.m. and welcomed the group. Michael Woiwode, City of Coronado, introduced himself.

2. Public Comment/Communications

Shelby Tucker, SANDAG, announced that a revised agenda was e-mailed to the distribution list and available as a handout to attendees of the meeting.

3. Summary of the October 1, 2009, Meeting

After making no corrections, the October 1, 2009, meeting summary was unanimously approved.

4. Incorporation of Sea Level Rise Into Local, Regional, State, and Federal Projects

David Cannon, Everest International Consultants, spoke about incorporating sea level rise data and information into local, regional, state, and federal projects. Mr. Cannon announced that the Army Corps of Engineers (USACOE) and State Coastal Conservancy (SCC) issued guidance on what levels to use for sea level rise planning. Mr. Cannon emphasized the need for comprehensive planning for sea level rise, factoring in multiple variables such as guidance from different agencies, various types of projects, and through different phases of projects. He described some differences in federal and state guidance relating to timeframe and scenarios for sea level rise (e.g., SCC requires targeting the years 2050 and 2100, while USACOE requires targeting 2015 and 2065).

Greg Wade, City of Imperial Beach, asked if new sea level rise regulations were applicable to the USACOE projects that have already been authorized. Mr. Cannon responded that they were not applicable if the project has been authorized and there were no changes made to the project that would require reanalysis of economics.

August Felando, California Lobster and Trap Fishermen's Association (CLTFA), observed that sea level rise had not been incorporated into the RBSP I, and wondered why it was now being incorporated into the plans. Mr. Cannon answered that in the eight years since the RBSP I, there has been new research on climate change and updates on sea level rise projections, warranting the addition of sea level rise planning into projects.

Teri Fenner, AECOM, noted that the SCC policy for targeting 2050 and 2100 was derived from Executive Order S-13-08. This policy, she added, will be applied to all state agencies in the future. Ms. Fenner commented that the analysis of sea level rise for 2050 and 2100 for the RBSP II will be qualitative because the incremental change in sea level rise for the short duration of the RBSP II is negligible. The Climate Adaptation Strategy from the state stresses the importance of adaptive management, which, she described, was designing projects upfront and revisiting how the project functions with sea level rise. Mr. Cannon added that sea level rise planning has not been done on previous USACOE projects, and the projects being done now incorporating sea level rise will be used to guide other projects.

Steve Aceti, CalCoast, informed the group of a CalCoast bill in 2010 that he and Jerry Schubel, Aquarium of the Pacific, have been working on to require the state to start preparing for sea level rise.

Mr. Cannon noted that scientific consensus exists for sea level rise values, but scientific consensus does not exist for how much beach erosion will result from each projection of sea level rise.

Jim Jaffee, Surfrider Foundation, asked if guidance for sea level rise from the 1993 SANDAG Shoreline Preservation Strategy had been followed. Mr. Cannon responded that projects have been designed for sea level rise using the values that were available at the time, which are lower than the current values.

5. RBSP II

Chris Webb, Moffatt and Nichol, provided an update on the status of Phase II (Environmental Review and Permitting) of the RBSP II. Phase II included a technical analysis, California Environmental Quality Act environmental review, and stakeholder meetings. The technical analysis, he explained, consisted of shoreline modeling, biological mapping and assessment, chemical testing of the sediment, and diving offshore to identify resources. Mr. Webb noted the partner organizations working on different components of Phase II tasks. He also announced that the first of the stakeholder meetings were scheduled for after the SPWG meeting, and others will be held within the next few weeks. He finished by detailing the next steps for the RBSP II, including completing technical reports by spring 2010, refining the monitoring plan, and initiating the draft of an environmental impact report (EIR) document with input from the public from scoping meetings.

Mark Filanc, City of Del Mar, asked for information on dimensions and volume of sand removed from the borrow site off Del Mar. Anne-Lise Lindquist, Moffatt and Nichol, answered that 1.9 million cubic yards of sand was proposed to be removed, and the depth of the borrow site would be 10 feet, but the area had not yet been determined. Mr. Filanc asked what impacts a 10-foot deep borrow site will have on the waves. Mr. Filanc also asked if the Surfrider Foundation had comments on the project. Mr. Webb indicated that the meeting with Surfrider would be held after the SPWG meeting. To answer Mr. Filanc's first question, he described a cut deeper than 10 feet from the RBSP I that had not caused discernable impacts. He also spoke of other projects that have examined impacts closely (e.g., Surfside Sunset in Orange County) and numerical models

that are available for analyzing wave propagation and bathymetry. Both he and Mr. Filanc agreed that researching impacts from other projects is worthwhile in identifying possible future impacts for the RBSP II.

Mr. Felando asked what information was available about the biological mapping and assessment for the project. Karen Green, Science Applications International Corporation, responded that since the RBSP I, there have been additional studies on the reef in 2006, 2008, 2009. She described the benthic invertebrate samples and fish trawls that have been conducted at the borrow sites. Mr. Felando inquired specifically about surfgrass information. Ms. Green responded that the surfgrass information was collected by conducting nearshore reef dives and mapping during low tide conditions. Mr. Webb mentioned that Lawrence Honma, Merkel and Associates, was helpful during the sampling process.

Referring back to a slide that lists "next steps," Joe Kellejian, City of Solana Beach, asked what the timeframe was for Phase II tasks. Mr. Webb answered that the biological and shoreline technical reports are planned to be completed by spring of 2010; the initiation of the draft EIR/environmental assessment (EA) and scoping/stakeholder meetings are planned to be completed by summer or fall of 2010. Ms. Tucker listed more dates relative to a construction placement goal of early 2012.

Ms. Tucker discussed the status of funding for implementation of the RBSP II, and listed the next three tasks to be funded: (1) biological and shoreline monitoring program, (2) contingency for planning, and (3) construction management. She added that contingency for planning may not be needed and was included only to provide a "worst-case scenario." Ms. Tucker announced that money (85 percent) from the California Department of Boating and Waterways would be phased in three years. Mr. Kellejian added that the first phase of \$6.5 million has already been received, and the second \$6.5 million is about to be received. Ms. Tucker requested the group to accept the staff recommendation to amend the memoranda of understanding (MOUs) with participating coastal cities to include the next three tasks for implementation of the RBSP II. Mr. Kellejian motioned to approve the staff recommendation for budget planning. Lorie Bragg, City of Imperial Beach, seconded the motion, which passed without opposition.

6. Shoreline Management Program Update

Both Ms. Tucker and Mr. Aceti introduced Joe Exline, Oceanside Angler's Club. Mr. Exline briefed the SPWG on the California Marine Life Protection Act. He discussed the three proposals that have been released from the Regional Planning Stakeholders Working Group focusing on the integrative preferred alternative (IPA) chosen by the Blue Ribbon Task Force on November 10, 2009. This proposal, he stated, would be recommended to the California Fish and Game Commission (CFGC). While looking at the map for Swami's State Marine Conservation Area (SMCA), Kathy Weldon, City of Encinitas, pointed out the location of a borrow and receiver site for the RBSP II. Mr. Felando asked to what extent was lobster fishing going to be affected in Swami's SMCA. Mr. Exline reported some figures he gathered after speaking with seven fishermen: total (for the seven fishermen) annual income is \$307,000, and average single fisherman annual income is \$83,000.

Robert Hoffman, National Marine Fisheries Service, inquired about any language in the proposals referencing beach sand replenishment and/or lagoon inlet dredging. Mr. Aceti responded that representatives from the CFGC have stated that it would be incorporated, but that it is not yet

concrete. Mr. Exline added that the Blue Ribbon Task Force is hiring a consultant to speak to groups interested in maintenance, dredging, and restoration.

Mr. Felando reported that Jon Guth, former President of the CLTFA, has stated that lobster fishery is the most impacted in San Diego County; consequently, the CLTFA is expressing concern over losses to their industry.

Chair Slater-Price reminded the group of a letter that the SPWG had sent in support of Option 3 (preferred option for conservation groups) in July 2009. She asked members if their preferred alternative was now Option 2 (the IPA chosen by the Blue Ribbon Task Force). Ms. Tucker commented that uncertainty over whether or not extraction for sand replenishment would be allowed makes it difficult to select a preferred alternative. Chair Slater-Price noted the diverse interests represented in the group and questioned if the SPWG should take position in support of an option. She suggested content of the letter to be focused instead on protecting activities related to sand nourishment, specifically beach and lagoon restoration.

Mr. Kellejian pointed out that for Swami's SMCA, there is a RBSP II borrow site, thus creating potential conflict. Ms. Weldon suggested moving the boundary line half a mile to the other side of the lagoon entrance to avoid the borrow and receiver sites. She spoke of possible added restrictions, fees, or other complications that might impact the beach nourishment activities. Ms. Bragg stated that boundaries for sand nourishment and replenishment should be addressed by individual cities.

Mr. Filanc clarified that the letter being written would discuss conditions for getting into protected areas as necessary for beach nourishment, and not including support for any particular option. Mr. Exline suggested adding wetland restoration as a protected activity no matter what option is chosen to the letter. Chair Slater-Price motioned to approve the letter, as discussed. Ann Kulchin, City of Carlsbad, seconded the motion, which carried without opposition. Mitch Perdue, United States Navy, abstained from the vote.

Mr. Aceti concluded by thanking participants and attendees of the Dihydrogen Monoxide (H₂O) Conference and expressing gratitude to Chair Slater-Price and the County of San Diego for sponsorship. He also announced that next fall, the state will hold its California World Oceans Conference; consequently, the next H₂O Conference will be held in May. Ms. Tucker thanked Mr. Exline for presenting today. Mr. Exline requested reef and surfgrass information that was presented earlier.

7. SPWG 2010 Meeting Schedule

Chair Slater-Price informed the group of the attached meeting schedule for 2010.

8. Distribution of Funds From the California Coastal Commission (CCC) Beach Sand Mitigation Fund

Ms. Weldon announced a potential opportunistic beach sand project for February 2010 from a new subterranean garage at Scripps Memorial Hospital. She described the opportunity for 20,000 cubic yards of material, as well as grain size and chemical testing currently being conducted for

compatibility for beach sand. Ms. Weldon reported that the hospital may pay for shipping and hauling of the material to the beach, but if not, they will be asking for funding from the beach sand mitigation sea wall funding.

Ms. Tucker provided context on this request, describing the partnership with the CCC to hold money from sea wall and recreation mitigation and the process for applying for funding by each jurisdiction. This process, she detailed, involves a request of the funds made to the SPWG, who then passes the recommendation to the Regional Planning Committee (RPC), the SANDAG Board of Directors, and finally to the CCC. Ms. Tucker explained that because of the unique timing of the opportunistic project, the request has been made before the jurisdiction makes a recommendation.

Mr. Kellejian motioned to send the recommendation to the RPC and the Board. Ms. Kulchin seconded the motion. Chair Slater-Price asked for additional comments and questions. Mr. Jaffee expressed concern over location of the mitigation relative to the sea walls. Ms. Tucker clarified that the MOU with the CCC states specific purposes for the mitigation, but does not include specific requirements on location. Chair Slater-Price agreed with the concern over proximity of mitigation to the location of impacts from the sea wall and recommended taking up the issue with the city. Mr. Filanc noted that this is a potential opportunity to get sand for free if the hospital pays for the shipping and hauling. Mr. Aceti remarked that these opportunistic sand projects are the “wave of the future.” The motion approved without opposition.

9. Adjournment and Next Meeting

Chair Slater-Price adjourned the meeting at 1:02 p.m. The next meeting will be held on February 4.

Key Staff Contact: Shelby Tucker, (619) 699-1916, stu@sandag.org

San Diego Association of Governments
SHORELINE PRESERVATION WORKING GROUP

February 4, 2010

AGENDA ITEM NO.: **6**

Action Requested: INFORMATION

REGIONAL BEACH SAND PROJECT II (RBSP II) UPDATE

File Number 3200200

Introduction

In summer 2009, SANDAG staff and the consultant team began work on Phase I of the RBSP II. This includes environmental review, permitting, and final engineering. SANDAG staff and the consultant team will provide the SPWG with an update on the work completed to date. The discussion will include results from stakeholder meetings held thus far, results from the biological reconnaissance, and the revised schedule.

Discussion

Stakeholder Meetings

One of the lessons learned from the first RBSP was that the project could benefit from expanded public outreach efforts. Therefore, SANDAG staff and the consultant team have held several meetings with targeted stakeholders. An overview of these meetings is attached (Attachment 1). Additional meetings with stakeholders will continue to occur throughout the project.

Biological Reconnaissance

The consultant team performed focused field surveys to update existing conditions at selected beach sites, fill critical data gaps at relevant nearshore reefs, and characterize existing conditions at borrow sites. These data collected during the biological reconnaissance will be shared with the working group and used to support subsequent phases of the project.

Schedule

Based on the phased funding from the State of California and the desire expressed by the working group to provide matching funds in phases, the Phase I schedule has been updated and is attached for information (Attachment 2). The Phase I schedule assumes the project will be built in spring 2012.

Attachments: 1. Regional Beach Sand Project II (RBSP II) Summary of Stakeholder Meetings Memo
2. RBSP II Schedule - Phase I

Key Staff Contact: Shelby Tucker, (619) 699-1916, stu@sandag.org



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February 4, 2010

File Number 3200200

TO: Shoreline Preservation Working Group
FROM: Kim Roeland, SANDAG Staff
SUBJECT: Regional Beach Sand Project II (RBSP II) Summary of Stakeholder Meetings

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The 2001 San Diego Association of Governments (SANDAG) RBSP I dredged 2.1 million cubic yards of sand from offshore and placed it on 12 eroded beaches from Imperial Beach to Oceanside. Building upon lessons learned from the RBSP I, SANDAG is now embarking on the second regional beach sand project, the RBSP II. During the initial phases of the RBSP II, SANDAG has requested input from various organizations in San Diego. To achieve this, SANDAG has arranged to meet with stakeholders to provide an open and informal setting for each interest group to make comments, express concerns, and ask questions about the RBSP I and II.

In December 2009, SANDAG met with the Surfrider Foundation, Sierra Club, Scripps Institution of Oceanography, Coastal Environmental Rights Foundation, and Wildcoast. In spring 2010, SANDAG will continue to meet with stakeholders, including commercial fishermen and representatives from the lagoon-based organizations (e.g., San Elijo Lagoon). The Notice of Preparation is scheduled to be released in April 2010, after which more input will be received during a series of larger public meetings. SANDAG's goal is to continue the process of restoring the region's eroded beaches by implementing proactive measures to protect and enhance the quality of our coastline while striving to avoid environmental impacts and meet as many of the concerns and requests made at stakeholder and public meetings as possible.

Included below is a brief summary of some of the comments and concerns that were expressed during the December stakeholder meetings.

Project Footprints

- Specific adjustments were suggested for several project footprints to avoid important areas for natural resources (e.g., Cardiff Reef in Cardiff and Pillbox Reef in Solana Beach).

Borrow Sites

- Concern was expressed over impacts of borrow sites to waves and other coastal processes, benthic communities, and habitat for fish and other marine species.
- There was discussion on the need for the selection of borrow sites to balance two goals: optimization of grain size for retention on the beach and placement of the borrow sites far enough away from the shore so that it does not undermine the shore base.

Monitoring

- Monitoring was determined valuable in that it can answer many questions that are currently poorly understood (i.e., What happens to the sand after it gets placed on a beach? How long does it stay? Where does the sand go?).

Outreach

- Public outreach will be important, particularly during construction, and it was suggested that a person from SANDAG be selected to coordinate public relations.
- Anticipating questions from local residents, one recommendation was to place informative signs along project footprints during construction to describe processes of beach profile equilibrium, list other sources of information (e.g., Surfology 101 on www.surflife.com), and/or provide a link to a Web site or blog containing more project information.
- In order to bolster support from local communities and to provide unique opportunities for youth, it was suggested that students from local schools and other science education programs be involved in the project (e.g., students could conduct monitoring for ecologically important indicator species such as sand crabs).

Other

- Though not specifically addressing one or more of the phases of the RBSP I and II, several comments were made about the dynamic nature of shoreline processes and uncertainties for long-term planning related to human activities and climate change (i.e., impacts such as sea level rise).
- Other concerns were expressed relating to environmental justice and differences in opinion regarding recreational and other economic values used in cost benefit analyses.

KROE/STU/ama

RBSP II Schedule - Phase I

Task		Estimated Completion Date
1	Coordination meeting between Lead Agencies (SANDAG and USACOE).	DONE
2	One workshop meeting to assess/refine the 3.3 mcy alternative (OPTIONAL)	--
3	Bio-field update at certain sites	DONE
4	Tier I analysis and agency meeting to justify grain size testing only	DONE
5	Monitoring Summary Report (OPTIONAL)	
6	Model confirmation study of predictions versus measurements (OPTIONAL)	
7	Shoreline morphology modeling and analyses for north county	Nov. 2009–Mar. 2010
8	Diffusion modeling and analyses for south county	Dec. 2009–Mar. 2010
8A	Shoreline morphology modeling and analyses for south county (OPTIONAL)	
9	Diffusion model at Mission Beach (OPTIONAL)	
10	2-D beach profile (cross-shore) sedimentation analysis	Jan.–Mar. 2010
11	Prepare Shoreline Morphology Technical Report	Apr. 30, 2010
12	Prepare Project Description	revise: Dec. 2009
13	Refine monitoring program	Feb.–Mar. 2010
14	Cultural Resources Technical Report	Feb. 2010
15	Biology/Water Quality Technical Report	Jun. 2010
16	Stakeholder meetings by SANDAG	Dec. 2009–Feb. 2010
17	Scoping meetings by EDAW at north and south county	Apr.–Jun. 2010
18	Prepare Administrative Draft EIR/EA	Jun. 30, 2010
19	Prepare Screencheck Draft EIR/EA reflecting agency comments	Aug. 30, 2010
20	Complete Public Review Draft EIR/EA and attend Public Hearing	Oct. 31, 2010
21	Respond to Public Comments	Dec. 31, 2010
22	Prepare Draft Final EIR/EA	Feb. 28, 2010
23	Complete Final EIR/EA	Apr. 30, 2010
24	Apply for permits and perform follow-up negotiations and meetings	Jan.–Sept. 2011
25	Permit follow-up	Sept.–Nov. 2011
26	Attend meetings	Jun. 2009–Dec. 2011

Task		
1	Prepare Sampling and Analysis Plan for source and receiver sites	DONE
2	Material sampling at beaches	DONE
3	Material sampling at borrow sites	DONE
4	Grain size testing	DONE
5	Chemistry testing of source material	DONE
6	Bathymetric surveys dredge/borrow areas and pipeline routes (side-scan, multi-beam)	DONE
7	Beach topography/bathymetry at receiver sites	DONE
8	Mean High Tide Line survey	Mar. 2011
9	Office research for offshore utilities (records search at State Lands)	Jan. 2010
10	Rectify designs and quantities with most recent beach profile data	Jan. 2010
11	Prepare plans, specifications, and construction estimates	
a	30%	Jan. 2011
b	60%	May 2011
c	Final	Oct. 2011
12	Prepare bid package	Nov. 2011
13	Conduct pre-bid meetings	early Jun. 2010; pre-bid Dec. 2011
14	Attend bid opening	Jan. 2012
15	Respond to Requests For Information during bidding	Jan. 2012
16	Prepare bid award recommendations	Feb. 2012
17	Assist SANDAG staff in the event of a bid protest or other complications	Mar. 2012

* This schedule anticipates construction and placement of material in spring 2012.

** Optional tasks are those that may be required by the permitting agencies