

1 CARPINTERIA, CALIFORNIA, TUESDAY, SEPTEMBER 23, 2003

2 PROCEEDINGS BEGIN AT 6:38 P.M.

3 CARPINTERIA SHORELINE FEASIBILITY STUDY BEGINS

4 MR. MILLER: Good evening, ladies and gentlemen. We
5 want to thank you all for being with us tonight for -- to help
6 us kickoff this important study. The Carpinteria Shoreline
7 Feasibility Study is one of the big study items on the Corps of
8 Engineers program this year.

9 My name is Jared Miller. I'm a retired Corps planner
10 and presently do a little consulting work for the Corps of
11 Engineers' Los Angeles District. It's my job tonight to try to
12 facilitate this meeting, to keep it going -- to help you folks
13 get your input and to make sure that these guys are given the
14 opportunity to make their full presentations so that we're
15 understanding each other.

16 The proceedings tonight are being transcribed by Ms.
17 Lutz. Just a quick reminder. Please, when you get up, use the
18 microphone -- because she's also recording this -- please
19 identify yourself clearly and also who you're with and that
20 will help us get the transcript together so it will be more
21 useful to us.

22 And finally, please allow the people who are speaking
23 to finish their presentations. We'll entertain all your
24 questions and listen to all your comments at the end of this
25 thing for as long as we have to be here. So we get through the

1 presentation then we will get to the significant or more
2 important part of this thing, the public input session when you
3 folks let us know what you need or what you think we should be
4 doing.

5 The Carpinteria Feasibility Study is being conducted
6 in cooperation with the City of Carpinteria, our non-federal
7 planning partner. The two principal players here tonight are
8 Alex Bantique, the Corps study manager; and Matt Roberts, who
9 is the director of parks and recreation for the City of
10 Carpinteria. Now, I'm going to let -- hope that Mark -- Matt
11 will get up and give you a few comments. Matt, could you
12 continue.

13 MR. ROBERTS: (Speaks off the microphone)

14 Apparently I don't have a loud enough voice.

15 Anyway, I have managed the Carpinteria city beach
16 since 1983 for better or worse. And part of that management
17 has been emergency storm response, and I've witnessed -- even
18 before that I've witnessed some very severe storms. As a
19 child, I witnessed the 1969 winter which was a flood year. In
20 fact, our beach was covered with debris that washed from the
21 creeks watersheds.

22 It was 1983 that I was the first -- my first exposure
23 to the emergency response. And since then I think we've had
24 1985 and 1987. I'm sure 1995 was a bad year. 1997 was the El

1 Nino. I think in year 2001 and even last year 2002, we had
2 extreme erosion events. And the inventory of sand on our beach
3 is becoming less and less -- just my personal observations. I
4 think that the opportunity we have today with the partnership
5 with the Army Corps of Engineers is probably unique and
6 profound in that we can now using the Federal expertise
7 evaluate alternatives which might turn the beach back toward a
8 beach that has accretion where the sand begins to build as
9 opposed to erode.

10 And that has tremendous amount of benefit for the
11 community at large. Not only is the beach a very important
12 recreational resource but it also provides a lot of protection
13 from our shoreline. Our state beach will enjoy better
14 protection from a wider beach. Our residential front -- which
15 brings a lot of tourism, a lot of economy, a lot of value to
16 the community -- will be protected.

17 So that's why the City is extremely interested in
18 going through this process. It's only with the federal
19 participation and following the federal procedures that we can
20 attract federal dollars to build a project should we decide
21 that a project should be built. And it's your participation
22 which will help shape the course that we're going to take on
23 this study which I think is predicted to take about thirty
24 months. So even as -- even the evaluation, what they call the

1 feasibility portion of the study, is a very thorough and very
2 lengthy, I think, a very lengthy process. But it could lead to
3 a different future than the one which is the no action future,
4 which as I, I believe will be an erosion of our beach back to
5 where the structures are threatened, where we lose a lot of
6 camp sites on our state beach, a different picture. And I'd
7 like to think of a future where the beach is wide, we have a
8 vegetated dune line, we have habitat in that dune line, perhaps
9 we have better offshore environment as well. So I think that's
10 why the City's so interested. Thank you.

11 MR. RISKO: Good evening. My name is Tony Risko.
12 I'm with the U.S. Army Corps of Engineers, Los Angeles
13 District. And I'm the chief of coastal planning with the
14 district. I'd like to go ahead and introduce the team that we
15 have assembled within the Corps of Engineers tonight to work on
16 the Carpinteria study.

17 First off let me introduce Rob Blasberg. He is a
18 senior coastal planner in my group, and he'll provide the
19 general guidance for the study. We have Jane Grandon sitting
20 in the back there. She is one of our coastal engineers that
21 will be assisting us on the technical side of, of the house.
22 Kirk Brus, our environmental manager on the study. Joe Lamb,
23 our economist on the study and Greg Fuderer. He is our public
24 affairs officer, and he'll be directly involved in the study

1 from a public relations perspective.

2 Let me just say that we under the problem that is
3 going on here in Carpinteria. We are looking at -- we will be
4 looking at several solutions -- alternatives to see what we can
5 do regarding the potential for implementing a project, to solve
6 the problem that you folks are having. We have some case
7 studies and projects that are currently underway or about ready
8 to get underway that we'll utilized to assist us in our
9 technical analysis for the Carpinteria area. And so we're not,
10 we're not coming into this study with limited knowledge, and I
11 think that's what the Corps of Engineers will really introduce
12 into this whole study effort.

13 What I'd like to do is turn this, turn this
14 presentation back over to Jared and then we'll have our study
15 manager Alex Bantique talk about the technical aspects of, of
16 this upcoming feasibility study. Thank you.

17 MR. MILLER: The Carpinteria Feasibility Study is a
18 spinoff of a 1997 Ventura-Santa Barbara Counties shoreline
19 study. It basically was conducted to -- to determine if there
20 was a federal interest in solving the problems along those
21 county's shorelines. That study pointed to Carpinteria. There
22 were problems to be solved here, and now we've moved onto the
23 next phase, this feasibility stage.

24 Let me tell you where you are. Carpinteria's located

1 in Santa Barbara County just above the border with Ventura
2 County. We're about twelve miles from Santa Barbara and
3 fifteen miles from Ventura. Los Angeles is about 80 miles down
4 the coast. Carpinteria has two point five square miles and a
5 1,500 -- or a little more than 1,500 in population. That's
6 15,000, excuse me. It grew so fast. I -- excuse me.
7 Carpinteria is home to a very popular surfing area, Rincon
8 Point, and well used swimming beaches, some 4,000 feet of them,
9 under both county and city jurisdiction. They have more than
10 80,000 annual visitors, to the beaches and the other
11 facilities.

12 Tonight, this is our agenda: I'll briefly take you
13 through the first five items. Then Alex Bantique will talk to
14 you about the study. And finally we'll get to any comments or
15 questions you people may have.

16 The Corps of Engineers has a multiple mission. We
17 have a Civil Works Program, a Military Construction Program,
18 and Support and Work for Others. Civil Works, briefly, is
19 planning, designing, building, and operating water resources
20 projects for navigation, flood control, environmental
21 protection - and we also do natural response.

22 The Military Construction Program included designing
23 and managing the construction of military facilities for the
24 Army and the Air Force -- we sometimes work for other branches

1 of the service. Support and Work for Other Programs include
2 providing design and construction management for the other
3 defense agencies and sometimes interagency and international
4 clients.

5 The Coastal Studies Group, which Tony heads up and
6 all the -- the folks up in the front here, at least, work for,
7 focuses on coastal resources problems including safe navigation
8 access to Southern California ports and harbors and the
9 restoration of ports, coastal lagoon and estuary ecosystems
10 restoration and coastal storm damage reduction. We are here
11 tonight to kick off a study which hopefully will provide storm
12 damage protection to the Carpinteria shoreline.

13 Let's take a look at how a Corps of Engineers project
14 is developed. The six step process is initiated when citizens
15 recognize that they have a coastal resources problem that they
16 cannot solve. Federal assistance from the Corps of Engineers
17 is requested through a congressional representative. The
18 representative requests a planning study, authorization by the
19 Congress, or a congressional public works committee.

20 The third step is initiated when -- whoops -- the
21 third step is when the Corps of Engineers gets together and --
22 studies the problem, and prepares a report on it. A draft
23 report presenting the study findings and the District
24 Engineer's recommendation will be prepared and released for

1 public review to include a study ending final public meeting.

2 After the public meeting, all pertinent review
3 comments -- concerns and comments - will be considered and
4 revisions, if necessary, will be made to the report. The final
5 feasibility report, including the Los Angeles District
6 Engineer's recommendation, will be forwarded to the South
7 Pacific Division Office in San Francisco. The Division
8 Engineer will review the report and issue a public notice with
9 his recommendation and forward the report to Washington.

10 The next step is Washington level review. Usually a
11 six-month process, which is -- and when it is completed, the
12 report is transmitted to Congress for authorization. In the
13 meantime, we continue at the district level with the project's
14 plans and specifications. When the Congress authorizes the
15 project in a Water Resources Development Act, we proceed to
16 construction.

17 This slide will show you the various stages of the
18 Corps planning process. It shows you that the early
19 reconnaissance study is paid for 50%/50% by the Corps of
20 Engineers and the -- non-federal sponsor, in this case, the
21 City of Carpinteria. The City of Carpinteria is also totally
22 responsible for the project when it is constructed and
23 operating. The feasibility study is cost shared 50%/50%. And
24 the, the construction and implementation phases are cost shared

1 65% Federal and 35% non-federal.

2 From start to finish, the Corps planning process
3 takes approximately seven to ten years. These are the rough --
4 a rough time schedule for all of them -- all of those phases.

5 This next slide is an interesting slide that was
6 borrowed from a Chief of Engineers presentation. For every one
7 hundred planning studies the Corps of Engineers initiates, only
8 eighteen get built. That means that 84% don't make it.

9 MR. ROBERTS: (Speaking off microphone) I think it
10 would important to note that (inaudible)

11 MR. MILLER: Completed the, the Rincon Study?

12 MR. ROBERTS: (Speaking off microphone) (Inaudible)
13 65% of the projects (inaudible)

14 MR. MILLER: These are the criteria used by the Corps
15 of Engineers to determine the viability of a project. It must
16 be technically feasible. It must be effective in meeting
17 planning objectives and, and doing -- to do the job that it is
18 set up to do. The environmental impacts and environmental
19 acceptability must be ascertained and adverse effects would
20 be -- should be -- avoided if at all possible.

21 Economic justification, in accordance with current
22 guidelines and policies, must at a minimum equal the costs of a
23 project. Ideally, benefits will clearly outweigh costs. The
24 alternative with the greatest net benefits is selected as the

1 national economic development plan, and is generally selected
2 as the recommended plan.

3 And, of course, the fifth item is non-federal -- a
4 non-federal sponsor. We have one of those in this study, and
5 we must -- our project must be acceptable to them and to the
6 general public. And a very important -- go ahead.

7 MR. RISKO: An important note to be made is that the
8 cost of a proposed project cannot -- cannot exceed the benefits
9 derived from that project. If we were to experience something
10 like that, then obviously we won't have a project. But -- just
11 to reiterate -- we will look at multiple alternatives and, and
12 the hope is that there should be sufficient benefits that
13 outweigh the cost of a project and we'll have something that we
14 can implement.

15 MR. MILLER: Tonight's meeting is also a kick off for
16 our -- of our environmental activities. It's an environmental
17 scoping meeting which is called for under the National
18 Environmental Policy Act.

19 Any proposed project must comply with the National
20 Environmental Policy Act. Tonight's meeting fulfills, as I
21 said before, the beginning of scoping the environmental
22 requirements, and allows us to get your input -- start getting
23 your input early in the study process.

24 A great deal of public involvement is required under

1 NEPA. Our feasibility study will include the preparation of an
2 environmental impact statement that satisfies NEPA
3 requirements. I want to point three things here. The third,
4 environmental scoping, which we're beginning tonight, that goes
5 on throughout the study through -- throughout the preparation
6 of the environmental impact statement.

7 Other key points are, in yellow, after the draft EIS
8 and draft feasibility report are completed, there's a 45-day
9 period for comments. They are made available to folks for
10 review and we do want as many comments as we can get. The
11 other comment period of 30 days at the end of the process is on
12 the final EIS and the final feasibility report.

13 Number nine -- the record of decision. That's the,
14 that's the final word. That's the document that sums up the
15 environmental impacts and the environmental course of action on
16 this study. Now, I'm going to let Alex talk to you about the
17 feasibility study and how it works.

18 MR. BANTIQUÉ: Good evening, ladies and gentlemen.
19 My name is Alex Bantique, and I'm going to be talking about the
20 feasibility study. I'm going to be starting with the study
21 objectives. The objectives of this, this bill study will to be
22 provide a storm damage protection to public and private
23 properties, reduce the annual erosion rate, improve the
24 migrational opportunities, and to develop environmentally

1 sensitive solutions.

2 In 1997, the Corps of Engineers completed the
3 reconnaissance space along the shoreline of Santa Barbara and
4 Ventura Counties to access the federal in the undertaking the
5 shoreline protection projects. It was concluded that the
6 Carpinteria study area was the only stretch of the shoreline
7 with Federal interest to proceed to the feasibility study.
8 Unfortunately, at that time there were insufficient financial
9 resources to undertake the recommended feasibility study.

10 In 2003, Carpinteria Shoreline Reconnaissance Study,
11 the Corps of Engineers updated the economic analyses of the --
12 of this report and verified federal interest in a possible
13 offshore feasibility study. In June 2003, after securing
14 sufficient financial resources, the Corps of Engineers and the
15 City of Carpinteria executed an agreement for a feasibility
16 study. The study area is between Ash Avenue and Linden Avenue
17 (indicates on map).

18 The state beach borders the southern limit of the
19 region -- the Carpinteria Salt Marsh and the private protective
20 revetment borders the northern limit of the beach. There's
21 approximately 13 structures within the ridge that are directly
22 effected by shoreline erosion and wave attacks. The structures
23 behind the prompting properties may be affected by coastal
24 flooding during storm events.

1 On our reconnaissance report we identified four
2 potential, potential problems along the Carpinteria shoreline,
3 which is storm damage due to ocean -- coastal flooding and
4 recreational visitation. During the winter season, there is a
5 substantial loss of sand protecting the structures, exposing
6 them to possible wave attacks and coastal flooding.

7 Five potential solutions were -- identified during
8 the reconnaissance study -- two beachfills, two offshore
9 artificial reefs, a seawall, and a combination of these
10 potential solutions. These potential solutions are yet to be
11 identified during the feasibility phase. These pictures will
12 give you an idea how a beach fill looks like after we place a
13 compatible sands within your shore. This picture is the
14 before, which is the top right there. And the after is the one
15 at the bottom. And this project is located in Seal Beach,
16 which is in summer, surf's up.

17 MR. RISKO: This photo was taken almost immediately
18 after the project was completed. Basically, what the Corps of
19 Engineers does is once every five years we come in and we place
20 approximately 2 million cubic yards of material on the Surf-
21 side beaches. This area has an accelerator erosion rate so at
22 year two after the project is completed, you'll see quite a bit
23 of cutback on the beach and at year five the beach might look
24 like this before photo.

1 UNIDENTIFIED AUDIENCE MEMBER: What's that over
2 there?

3 MR. RISKO: That's Anaheim Bay. There's two jetties
4 that jet out at Anaheim Bay, and that's where -- that's the
5 home of the Naval -- U.S. Naval Weapons Station, Seal Beach.

6 MR. BANTIQUÉ: Another potential solution is an
7 offshore artificial reef. The concept would be to construct a
8 submerged structure offshore to dampen the wave energy and to
9 build up the beach behind it. This picture was taken in the
10 Dominican Republic.

11 Another potential solution is a seawall. A seawall
12 could be placed effectively to address storm damage concerns to
13 stabilize the shore or maybe looking at combinations of these
14 alternatives. This seawall is located in Carlsbad.

15 Phase one is the study that determines the existing
16 and without project future conditions and includes preliminary
17 screening of the alternative plans. Phase two includes
18 detailed evaluation of several alternative plans and selection
19 of the recommended job. The study cost is \$2.2 million and
20 this is a 50%/50% cost shared Corps of Engineers and the City
21 of Carpinteria. And the Carpinteria cash requirement is about
22 \$840,000.

23 MR. ROBERTS: The City of Carpinteria is depending
24 upon assistance -- financial assistance, cash assistance from

1 the State of California, and apparently the state has given the
2 city a \$280,000 grant. In this current state fiscal year --
3 actually, some of that came from a previous fiscal year, but
4 we've gotten \$280,000 so far.

5 Under a new program where the state actually does
6 have a beach erosion program and that's new. That's only a
7 couple years the state's offered that to local jurisdictions
8 and that is why to a large extent you don't see a lot of Army
9 Corps projects on the west coast. East coast states have
10 traditionally provided local matches or non-federal matches to
11 their local jurisdictions. The State of California wasn't and
12 consequently it wasn't allowed a federal shoreline where -- you
13 can correct me if I'm wrong -- but I believe that's why we
14 haven't seen this kind of project too frequently in California.

15 So that's a startling number of the City's budget,
16 and the only way we're able to afford it is through state help.
17 Most of the money that the state is using for this program
18 statewide believe it or not is coming from the Department of
19 Boating and Waterways. They take money that comes really from
20 gas sales -- I don't know what the nexus is, but they find
21 one -- gas sales that go into boats, that would be the highway
22 taxes that aren't burnt on the highways, and drive it into
23 beach erosion and boating infrastructure. That's an important
24 point.

1 MR. BANTIQUÉ: That's the end of my presentation, and
2 Jared will take over the public involvement session. Thank
3 you.

4 MR. MILLER: During the course of the study, a wide
5 variety of public involvement efforts and citizen participation
6 activities to get the public involved and keep the local,
7 affected citizenry interested and keep them aware of this
8 study. The Corps of Engineers, Los Angeles
9 District has a website. You see it marked up there. There's a
10 lot of good information in there. Among that information, once
11 we get started here, will be summary progress summaries on the
12 study.

13 We're going to keep close touch with folks in
14 Carpinteria during the study, and we're also going to keep in
15 close touch through the variety of activities that I mentioned,
16 with interested individuals and organizations and agencies that
17 may want to be involved. In short, the Corps of Engineers
18 folks who are conducting the study will be available to meet
19 with interested folks such as you, to answer your questions
20 and keep you up to date.

21 You met these two guys tonight -- oh, I'm sorry --
22 rearranged the slides. We're going to turn this thing over to
23 you in a very few minutes. Has anybody indicated that they
24 wanted to make -- nobody has indicated that they wanted to say

1 anything? Each of you, we hope, that we -- it'll be just a
2 minute. We hope that you do speak, since you've gone through
3 all this information and heard the various presentations --
4 that you might have something you might like to say, or a
5 question for clarification.

6 As you look at this slide, these are some things that
7 we would appreciate it if you would do. Wait until you're
8 recognized. I don't think we're going to have a riot here
9 tonight. Identify yourselves and your affiliation and try to
10 keep to meeting topics. We -- we're not averse to talking
11 about other things, but we're here to talk about that study and
12 whatever you want. And please remember that Ms. Lutz over
13 there, needs you, no matter how many times you may speak, to
14 introduce yourself.

15 We're going to leave this slide up. These are the
16 two guys that are the principal players in this study for the
17 City of Carpinteria and for the Corps of Engineer. You can jot
18 that down. It will be up for awhile while we are doing the
19 public session. Both of them will be available to you, and
20 they're -- I think they're both responsible for dealing with
21 your concerns and getting information from them as well as
22 anybody else on the team. But this is -- Alex is the principal
23 for the Corps of Engineer, and Matt is the go to guy for
24 Carpinteria.

1 Now, are there -- is there anybody who wants to make
2 a comment, ask a question? Yes, sir. Could --

3 MR. BROOKS: Yes. My name's Andrew Brooks. I'm the
4 director of the Carpinteria Salt Marsh reserve, which makes up
5 about 45% of the Carpinteria Salt Marsh. First, I'd like to
6 say that all the options that I've seen here I think there's a
7 variety. One that was initially mentioned in a list that I
8 didn't see actually pop up in your feasibility study was the
9 use of groins. I would have concern about the place of a groin
10 somewhere between Ash and Linden to accumulate sand on the
11 backside if that sand were to accumulate to a point where it
12 would actually cross over the mouth -- the entrance to the
13 Carpinteria Salt Marsh.

14 One of the biggest environmental problems that we
15 have in the Salt Marsh is the accumulation of sand as it comes
16 down the coast line. It actually eddies into the mouth of the
17 Salt Marsh. We have quite a bit not accumulated. It's
18 affecting the subtitle habitat to some extent. We have several
19 federally listed endangered species within the marsh. They
20 include light footed clappers; a species of plant, the Salt
21 Marsh bird's beak; two species of fish that are actually
22 managed by the Pacific Coast Fishery's Management Council. So
23 we have several species of federal and also state concern that
24 we have to worry about being affected by any plan that's going

1 to accumulate sand.

2 On the other hand, we have lots of sand inside the
3 Carpinteria Salt Marsh that you would love to get rid of. So
4 one of the ideas you were talking about was beach
5 replenishment. If you're looking for a source of sand, we've
6 got one. The sand is mainly sand that's just, as I've said
7 before, come down the coast and made its way into the mouth.
8 It should be fairly clean, and it may actually offer you an
9 additional benefit because, as mentioned, one of the Corps'
10 objectives is habitat wetland restoration. This would qualify
11 as wetland restoration.

12 In addition, any economic improvements to the marsh,
13 because of these commercially important fish species, can
14 perhaps be counted as an economic gain as part of the project.
15 It might help you meet your burden of benefits exceeding costs.

16 So I'm available at any time to staff or anyone else.
17 Matt has my contact information, and I'll make sure I get a
18 card to Alex too before we leave. Thanks.

19 MR. MILLER: Is there anyone else who wants to make a
20 comment? These guys are here to assist you. With that being
21 the case, do any of you have something you'd like to say?

22 MR. RISKO: Actually this is kind of odd. Typically,
23 we're here to answer questions, but I'm going to ask a
24 question. You mentioned that there's a quite a bit of sand

1 that's building up in the mouth of the Salt Marsh and that
2 there's an opportunity for us to potentially mine the sediments
3 should we go forth with the beach nourishment and the field
4 project. The question I have is, is that pretty much it or are
5 there potential opportunities within the marsh where we could
6 look at getting in there and doing some, some additional
7 reconfiguration of the marsh land for -- or do we want to get
8 into that?

9 MR. BROOKES: Matt can probably fill you in on some
10 of this. There is currently underway an environmental impact
11 statement that has been prepared. The County of Santa Barbara
12 Flood Control District is in process of obtaining the necessary
13 permits to remove a lot of accumulated sediment from the two
14 creeks that enter into the marsh on the eastern side, Franklin
15 and Santa Monica Creeks. And as part of that, they're going to
16 also remove accumulated sediments from the point to the west
17 where those two creeks join up and flare out the mouth, and the
18 mouth is going to be slightly realigned to meet county flood
19 control objectives. So that operation is continuing, and we'll
20 lose some accumulated sediments from those activities.

21 The sand I'm that I'm referring to actually doesn't
22 appear on your map. It's just off the left-hand edge. And
23 this is the channel that runs up the main branch through the
24 section of Carpinteria Salt Marsh that you don't have on your

1 photograph. And that sand that's not slated to be removed by
2 the flood control operations, it's sand that has been building
3 up over the last 15 or 20 years, and that's mainly the sand
4 that accumulated from long shore drift -- longshore transport
5 of sand down the coast.

6 So I think in conjunction with these flood control
7 activities, there's, there's opportunities to provide the beach
8 with nice clean sand and also achieve some restoration
9 objectives as well. But I wouldn't want to sort of reconfigure
10 any channels in there.

11 MR. MILLER: Anybody else? Yes, ma'am.

12 MS. ADAMS-MORDEN: I don't really have a specific
13 question.

14 So you guys haven't informed us yet so these are a
15 bunch of questions that we have. I'm a member from -- a
16 representative from the Carpinteria Salt Marsh friends.
17 Anyway, we want to know --

18 MR. MILLER: And your name?

19 MS. ADAMS-MORDEN: Andrea Adams-Morden.

20 Okay. We're curious about knowing where you're, you
21 know, where you're going to get the sand and how you're going
22 to remove it. Are you going to deal with mound near the mouth?
23 That's what Andy's talking about. Well, he was talking about
24 some other stuff. Maybe the mound too? That's left over from

1 another dredging situation. How's the sand going to be
2 disbursed? We heard that it was going to be at Ash Avenue?

3 MR. ROBERTS: Maybe I can say a little, or maybe a
4 lot.

5 There -- the City engages in several different
6 projects. This is one of them and if you saw the aerial shot
7 that showed the study reach I believe, that's important to know
8 because we're talking about the Carpinteria City Beach, which
9 is that 15,000-foot section between Ash and Linden.

10 Recently in this chamber at the planning commission
11 level, which Penny Bloodhart here -- she's one of the City's
12 planning commissioners -- she heard a proposal to get a coastal
13 development permit for BEACON which is the regional consortium
14 of Ventura and Santa Barbara Counties with some cities in there
15 as well, and that was called the "Opportunistic Beach Fill
16 Program."

17 In that program, it's a program where there would be
18 standing permit and should some beach quality sediment become
19 available -- we have not identified any sediment yet -- but
20 should some become available and should it be close to the
21 Carpinteria City Beach, a person who owns that sediment might
22 propose to put it on our beach. And BEACON would then have a
23 permit from not only the City of Carpinteria but from the
24 coastal commission allowing them to place it because often,

1 when you get good quality beach sediment and you want to put it
2 on the beach, the permitting process is so lengthy that you
3 don't have time to wait.

4 So you're -- let's say you're dredging a channel in
5 the Ventura River and you've got some wonderful sand to get rid
6 of, but by the time you get a permit to put it on the beach
7 you've lost your construction window because it's going to rain
8 and you got to get out of the riverbed. Those kind of things.
9 That's probably a bad example. But the point being is so we're
10 doing an opportunistic beach fill program and this the Army
11 Corps of Engineers' feasibility study for shoreline protection,
12 which is a different project.

13 The third thing the City does of course for shoreline
14 protection is that winter protection berm that the kids love.

15 MS. ADAMS-MORDEN: It's fun to stand on it.

16 Well, we -- I mean, the stuff that has been written
17 in the paper so far, I mean, it said it was going to come out
18 of Franklin and Santa Monica Creeks. That's what it appeared
19 to be implying, and the county flood district has dredges
20 out -- I don't know if they do both of them, but they do
21 Franklin every year. And so we were wondering they're going to
22 come dredge it out all at once and then take the trucks down
23 Ash and dump it all at one time. You know, what -- you know,
24 how it's going to be done?

1 MR. ROBERTS: Yeah, that's a different project. It's
2 not a part of this study.

3 MR. ADAMS-MORDEN: So this -- so they -- you don't
4 even know where you're going to get it from yet?

5 MR. RISKO: Tony Risko. That'll be part of the study
6 effort will be to identify potential sources of sand should we
7 opt for a beach fill contract.

8 MS. ADAMS-MORDEN: Okay. You know, and what size the
9 loads would be? How often they would be dumped? Where they're
10 going to get dumped? On the beach service -- surface? Are you
11 just going to put, put it out where the berm normally is and
12 let the tides take it out again? You know --

13 MR. RISKO: Right. Right. That -- that'll be part
14 of the engineering analysis. Let me, let me give you an
15 example scenario -- don't, don't fix me on this scenario
16 because they're all sorts of different scenarios we can be
17 working on. We need to do the engineering analysis to run all
18 this down.

19 We could potentially recommend, you know, a project
20 that comes in and puts sufficient amount of sand on the beach
21 to provide protection to the structures along that stretch of
22 shoreline for a 50 year period, okay. What width a beach will
23 need to be? We won't know until we actually run our engineering
24 and economic analysis.

1 What will be the frequency of renourishment? There
2 is a possibility that the Corps of Engineers would recommend a
3 beachfill project that would come in once every five, once
4 every seven, or once every ten years and renourish that beach
5 to maintain that beach width -- for shoreline protection and to
6 protect those structures. So those are all the things that
7 we're going to get into the nitty -- nitty gritty details once
8 we start the technical analysis part of the study.

9 MS. ADAMS-MORDEN: And so you're just going to dump
10 it on all the guys that are living off the edge there.

11 MR. ROBERTS: Matt Roberts with the --

12 MS. ADAMS-MORDEN: I mean, you know, there's guys
13 living right there and so you're going to dump all this tons of
14 sands on the -- the animals that live right there. That's what
15 you're replenishing.

16 MR. ROBERTS: Well I -- there's a --

17 MS. ADAMS-MORDEN: And it'll kill 'em off if you dump
18 it all at the same time.

19 MR. ROBERTS: There's a variety of ways you can move
20 sand and a lot of -- I know being -- participating with BEACON
21 since the day they started and looking at the different variety
22 of solutions that they've proposed to raise beaches and looked
23 at projects elsewhere in the country, often sand can be brought
24 from sea. They have these boats that are called hopper barges.

1 And, in fact, I believe that Goleta Beach is going to be doing
2 this very thing as a demonstration project in the spring time.
3 I don't know if the schedule slipped on that or not yet, but
4 they propose to dredge up sand that they -- they found a borrow
5 site, meaning a site that has beach quality sediment which has
6 sufficient grain size. It's coarse enough to be good beach
7 sand, offshore. They found this site, and they've done an
8 environmental analysis, determined this is a good source of
9 sand. It's in about 60 feet of water.

10 So they can literally take a big boat out, dredge it
11 up, fill their hopper barge in this boat, and the boat's
12 literally split open. So the boat's able to come very much
13 into the near shore where the surf --

14 MS. ADAMS-MORDEN: And kill all the guys out there.

15 MR. ROBERTS: -- interacts with the sand. They --
16 they've managed to get their environmental clearance to do
17 this, and I can't speak specifically about if there's
18 environmental harm in this not. I don't think they identified
19 any. But the point is, is that there's a way to introduce a
20 lot of sand into the -- onto the beach without using a truck.

21 MS. ADAMS-MORDEN: Maybe it's better to use a truck.

22 MR. ROBERTS: Also, you notice regularly up in Santa
23 Barbara -- and they use hopper barges in Ventura Harbor. I
24 think the Corps uses that for Channel Islands Harbor. And then

1 the pipeline, which is you see that in Santa Barbara every
2 year.

3 MS. ADAMS-MORDEN: But, Matt, maybe there's less
4 damage done if you just take that one truck and dump it on
5 there and wait a couple of days and then dump another one on
6 there. Maybe -- you know, maybe that's better.

7 MR. ROBERTS: Bringing it in -- and I think that's
8 what the study will consider, certainly.

9 MS. ADAMS-MORDEN: Another thing, we have really nice
10 sand at our beach and if you start dragging sand from somewhere
11 else, it's going to be different sand. If you take it from the
12 local sources, it's going to be the same sand.

13 MR. ROBERTS: I would only add to that, that when
14 they identify a sand source, the characteristics of that sand
15 will be weighed very heavily as to its compatibility not only
16 in grain size but in color and other things with the City
17 Beach. That's -- that's definitely part of beach sciences,
18 when you do nutrition, you'd match your existing material as
19 much as possible. In fact, you may even have indigenous
20 material, as Andy pointed out, they have an inventory --

21 MS. ADAMS-MORDEN: I mean, they --

22 MR. ROBERTS: -- of sand and -- that would be our
23 sand.

24 MR. ADAMS-MORDEN: I mean, the county has to dredge

1 lit out. So that's sand that --

2 MR. ROBERTS: For example, another source that Goleta
3 Beach is going to be using is West Beach sand, which is in
4 their harbor. Well, boy, that sand that belongs here in
5 Carpinteria. That's been impounded by the artificial harbor,
6 which is our beloved Santa Barbara Harbor. So that would have,
7 I believe without actually doing a core sample or test or sift
8 analysis any of that, I believe that would have 100%
9 compatibility because that was destined to come this way
10 anyway. It's native material. I think in Seal Beach they went
11 into the desert because it was a nice --, and I guess they
12 found compatibility with that, I don't know. But I think we
13 would look at the cheapest sources which would be the most
14 local sources first.

15 MS. ADAMS-MORDEN: The marsh.

16 MR. ROBERTS: Yes. Thank you.

17 MR. MILLER: Does anybody else have anything to say?
18 I apologize for that. I don't know what that is. That's not
19 the ring I get on that phone. I thought it was off -- I think
20 somebody's looking for me. Tony. Oh, I'm sorry. Yes, ma'am.

21 MS. BLOODHART: Hi. I'm Penny Bloodhart. I'm just
22 came down to give my support tonight. We did have an extensive
23 planning commission meeting here on the BEACON Beach
24 Replenishment EIR. Some of my concerns were just some of yours

1 about dumping a large amount sand from other areas. My -- one
2 of my main ones was the way in which it was going to be moved.
3 As Matt said, the truck carry only, what, about 15 cubic yards?

4 MR. ROBERTS: This is Matthew Roberts. They -- their
5 regulated I think to 25 tons, and I'd guesstimate it's going to
6 be 20 cubic yards.

7 MS. BLOODHART: Right. And we spend a lot of time
8 figuring out how many minutes apart it would be for these
9 trucks to go through town and down Sandyland to dump a bulldoze
10 or two, distribute the sand along the beach for the wave
11 action. So there's a little -- some of my concern too is the
12 effectiveness of this. I was just watching the coverage from
13 Hurricane Isabel. We were talking about a multi-million dollar
14 beach plan that's pretty much been wiped out. I guess you guys
15 probably know that better than I do.

16 But I was also commenting that a few years ago in
17 Goleta during one of the El Nino storms that a massive amount
18 of sand was dumped on Goleta Beach and in soil apparently
19 fines. But that it's pretty much gone now. And I mean I
20 certainly appreciate efforts to save our beach here, but there
21 are concerns and I'm certain you guys know all of them.

22 But the City, you know, we have been having the
23 hearings on the BEACON project, which involves much less sand
24 deposits so. Anyway, I just wanted to comment on that. But

1 everybody, if you're interested, keep your, keep your eyes open
2 for this reappearing.

3 MR. ROBERTS: Matt Roberts for the City of
4 Carpinteria.

5 I think one the, one of the characteristics of the
6 Carpinteria beach that's a very good characteristic is that
7 cobble sub-straight that exposes itself in the winter time, and
8 that's something we're encouraging the Army Corps to take due
9 consideration of that it may be by the importation of
10 additional sub-straight material, that cobble, that that can be
11 a foundation that would be more resistant to the seasonal
12 erosion and have a longer life, a longer residency on the
13 beach.

14 The coarser sediments last longer. And the sand
15 veneer, which is the exact structure that we've always had down
16 there. I can see -- I can find pictures of myself when I was
17 four years old standing on a cobble-strewn beach in the winter
18 time. That, again, is just a coarser sediment. It stays on
19 the beach during a higher energy environment like a winter surf
20 zone, and the sand migrates in and out like it's supposed to.
21 You know, a perfectly functional beach is what I've been told
22 is that sand is supposed to erode and move off shore and form
23 sandbars which trip larger wave farther off shore. And that's
24 a perfect winter scenario. And in the spring the general waves

1 migrate the sand back onto the beach.

2 And so if we can build that -- and I have witnessed
3 during some of the severe winter storms not only what we all
4 see the sand eroding, but I've also seen, and I've never seen
5 it anytime worse than that eleven-day El Nino event that we
6 had, where the southeasterly swells and currents swept a
7 tremendous amount of that cobble away. And that softball and
8 larger sized cobble that got rinsed up coast -- in fact, you
9 can look up at Sand Point, which is at the mouth of the marsh,
10 and you can see that artificial riprap wall absolutely covered
11 with cobble. The ocean picked it up and just covered that.
12 And then the next day all of it was missing from there.

13 So that sediment does move around in extreme
14 conditions but tends to have a better residency in the average
15 high-energy winter years. Anyway, that's one of the
16 differences between Goleta Beach, which is nothing but a sand
17 spit. It was a parking lot and a park built on a absolute,
18 hundred percent sand spit. It's much more fragile than the
19 City beach.

20 MR. MILLER: Anybody else?

21 MS. ADAMS-MORDEN: Okay. We got the condition with
22 the revetment right there, and they always say revetments erode
23 the beach. So, I mean, putting the sand there is just -- is --
24 I mean, is it going -- I mean, if it's at Ash Avenue, that's

1 were you're going -- that would be the start of where you'd
2 replenish. Is that right? So the revetment would --

3 MR. RISKO: Yeah, that is a -- Tony Risko. That is a
4 possibility that, that, when we look at the beachfill
5 alternative that will determine that -- the renourishment
6 frequency would be such that it would actually result in a cost
7 that would exceed the benefits. And that would then mean that,
8 you know, that would not be an alternative that we would want
9 to recommend. That is a possibility that, that we may see when
10 we do our -- when we go through the engineering analysis as
11 part of this study effort. So --

12 MS. ADAMS-MORDEN: Has there been a place that's like
13 that where there's a revetment you know, above it and where you
14 just really fill in heavy where the revetment is and that
15 protects the lower stuff?

16 MR. RISKO: Some -- well, we got something similar
17 down in Imperial Beach, only it's -- and that's, the answer is,
18 yes, there is something like that. At Imperial Beach we have a
19 situation where on the south side of Imperial Beach there is
20 about 2,000 feet of revetment. On the north side of Imperial
21 beach, which is another 2,000 feet approximately -- it's all
22 sandy beach with some seawalls placed here and there.

23 And the Corps of Engineers just recently completed a
24 study in which we recommended going forth with a beachfill

1 project. Based upon the assessments that we're doing, however,
2 was that we would actually put sand in front of that revetment
3 so that revetment would not really contribute to any erosive
4 problems on the north side of Imperial Beach. So we do have a
5 similar case.

6 Imperial beach is a little bit different. We'll need
7 to take a look at whether or not, as we go forth with a
8 possible beach fill alternative, on where we, we should
9 actually start. We're not saying that we're going to start at
10 Ash Avenue - but we're saying that that is the reach we want to
11 protect. Theoretically, we may want to go further, further
12 west and put material there. As long as we ensure that there
13 aren't any impacts to the Salt Marsh, you know, with any return
14 flow. As long as, as long as we don't have any significant
15 environmental impacts.

16 MS. ADAMS-MORDEN: Well, we have a reef out there
17 too. I mean --

18 MR. RISKO: That -- that's something that we will
19 consider, as far as our environmental assessment is concerned,
20 is that if we were to place material in a vicinity where we
21 believe that material will migrate back to the offshore reef,
22 we will determine whether or not that would have significant
23 impact to the reef. So we are sensitive to the --

24 MS. ADAMS-MORDEN: Well, where would you be -- if

1 you're going to do an artificial reef, where would you be
2 putting it? Inside of where the reef our out, out? What was
3 the idea?

4 MR. RISKO: Most likely the artificial reef will
5 probably along the similar where the existing reef is now.
6 Where the actual -- where the reef that you have now is,
7 probably along the same line as that reef, not any farther out
8 or any farther in shore.

9 Now, I can't tell you that's what, that's what were
10 going to recommend. I can't tell you that's what the
11 announcement's going to be. I'm just giving --

12 MS. ADAMS-MORDEN: Yeah. I'm just asking what ideas
13 are.

14 MR. RISKO: Right.

15 MR. ADAMS-MORDEN: Okay. Also, the ocean's rising.

16 MR. RISKO: Yeah.

17 MR. ADAMS-MORDEN: Maybe it doesn't matter what you
18 do. It'll just all get washed away.

19 MR. RISKO: That is a distinct possibility but, but
20 the way that we do our economic analysis is we take a look at a
21 period of 50 years. So even though we will have some sea level
22 rise during that 50-year period, it ought to be relatively
23 insignificant to our analysis. I mean, if you're looking out,
24 out at, you know, 200 years from now, well, that's a different

1 story. But because of the uncertainties of our analysis, we
2 really don't want to go past 50 years.

3 MR. MILLER: Anyone here have anything to say?

4 MR. ROBERTS: Always.

5 MR. MILLER: Good. I knew I could count on you.

6 MR. ROBERTS: Is -- Matt Roberts, the City of
7 Carpinteria.

8 As far as the artificial reef, we're sort of
9 referring to that as an artificial reef submerged breakwater.
10 And the idea, should that -- that'll be looked at in the study,
11 should it become a preferred option, the design concept is that
12 it would be submerged even at low tide. So it wouldn't be
13 visible. It would only be a structure that would trip larger
14 waves.

15 You know, I believe the calculation, as a wave
16 breaks, when -- is at about one point three times it's height
17 in depth. So a 13-foot wave -- maybe I have that backwards. I
18 think a 13-foot wave breaks in about ten feet of water, or is
19 it the opposite? Okay. So in the absence of current and wind.
20 It's an interesting thing to know. I spent many years as a
21 lifeguard, we use that as a tool to judge water depth. Yeah,
22 it's a three-foot wave, it must be about four feet of depth out
23 there in the shallow end.

24 And that's true with an ocean -- a bigger ocean wave,

1 the storm wave. The idea behind that is that larger waves
2 would be tripped a lot of energy dispersed off shore, and in
3 the summer time it would be a very benign thing, except that
4 perhaps it could provide additional rocky habitat. That's not
5 what the Army Corps really considers as one of their benefits
6 or they are limited to the amount that they can consider that
7 among the benefits of a project. But as your Parks Director
8 here in the City, things like rocky off shore habitat,
9 enhancement of that area with a juvenile fin fish, producing
10 perhaps better snorkeling and better environment -- all those
11 things are very consistent with our vision of Carpinteria as
12 being sort of an eco tourist center. That's why we're working
13 on all the environmental projects that we do here.

14 So we think that that's a nice option because it's
15 not a structure on the beach, it doesn't change the profile of
16 the beach. It doesn't -- or I shouldn't say that. It doesn't
17 change the character of the beach except maybe help to build
18 it, make it thicker and a better recreation area. But it also
19 has some environmental benefits that we like so --

20 MR. MILLER: Okay. Thank you very much for coming
21 tonight. I think we all gained a great deal of information.
22 You're here -- you're interested enough to be here, so keep in
23 touch with these Corps folks. They'll -- they want to do a
24 good job for you and they need your help in doing it. Thank

1 you very much.

2 MR. ROBERTS: And then please share this with your
3 friends and neighbors down there if you're, if you're
4 interested in the beachfront or your happen to have beachfront
5 property or beach area property or just live in the community.
6 Share this, get the word out because we really want as much
7 participation, we want as much straight information out there
8 as possible. So thank you for coming.

9 PROCEEDINGS CONCLUDED AT 7:34 P.M.

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