FLOOD CONTROL ADVISORY BOARD
MINUTES
September 27, 2000

The regular monthly meeting of the Flood Control Advisory Board was called to order by Vice Chair Rogers at 2:05 p.m. on Wednesday, September 27, 2000.

Board Members Present: Gilbert Rogers, Vice Chair; Shirley Long, Secretary; Tom Callow, Ex Officio; Tom Sands (for Paul Cherrington, Ex Officio).

Board Members Absent: Melvin Martin, Chair; Hemant Patel; Mike Saager; Paul Cherrington, Ex Officio.

Staff Members Present: Mike Ellegood, Chief Engineer and General Manager; Julie Lemmon, General Counsel; Tom Johnson, Deputy Chief Engineer/Division Manager; Dick Perreault, CIP/Policy Branch Manager; Scott Vogel, Project Manager; Don Rerick, Project Management Branch Manager; Bobbie Ohler, Project Manager; Greg Jones, Project Manager; Dave Johnson, Regulatory Division Manager; Kathy Smith, Clerk of the FCAB; Monica Ortiz, Administrative Coordinator.

Guests Present: Mary Rose Wilcox, Maricopa County Board of Supervisors; Veronica Flores, Vice Mayor, Town of Guadalupe; Ed Fritz, MCDOT; Brian Fry, Dibble and Associates; Teri Geage, DEA; Mike Heaton, PEC; Mark Johnson, Town of Guadalupe; Jim Mitchell, City of Avondale; Lute Obaidi, BHA; Angie Perez, Town of Guadalupe; Dale Richards, Earth Tech.

1) RECOGNITION OF THE FCD EMPLOYEE OF THE QUARTER

Barbara Hummell, Contracts and Permits Branch Manager, introduced Shelby Brown to the Advisory Board. Ms. Brown is the Permits/Right-of-Way Specialist for the District. Ms. Hummell stated that Ms. Brown's institutional knowledge of the permits, construction, and land management has been crucial to the timely review and processing of permits within the District. She further stated that Ms. Brown represents the District in a very professional manner to the community.

2) APPROVAL OF THE MINUTES OF THE REGULAR MEETING OF AUGUST 23, 2000

Ms. Lemmon requested that one correction be made to the minutes. At the top of page six, Mr. Vogel's response should read, "… there are currently over 12,000 homes in those flooding limits."

ACTION: It was moved by Mr. Sands and seconded by Mr. Callow to approve the minutes as amended. The motion carried unanimously.

3) BETHANY HOME OUTFALL CHANNEL

Scott Vogel presented IGA FCD 2000A013 for cost sharing, pre-design, design, and rights-of-way acquisition for the Bethany Home Outfall Channel and Camelback Road Storm Drain between the District, the City of Glendale, and the City of Phoenix. In addition, this IGA identifies the cost share for the design, utility relocations, construction, and construction management of the Bethany Home Road Storm Drain between the District and the City of Glendale.

The project includes the storm drains along Camelback and Bethany Home Roads from 51st Ave. to the Outfall Channel. There are approximately 745 homes in the floodplain along the Grand Canal within the project area. There are 72 homes that would be acquired as part of this project.

Mr. Vogel presented two major storm events that brought about residential flooding in the project area. The August 1963 storm resulted in over five inches of rainfall in a six-hour period of time. This storm was centered over downtown Glendale (at 59th Avenue and Glendale Avenue). The July 1992 storm resulted in close to four inches of rainfall in a seven-hour period of time. The center of this storm was east of the project area (27th Avenue and Camelback Road).

Mr. Vogel broke the flooding concerns down into three components: 1) Flood water ponding behind the Grand Canal, 2) flood water overtopping the Grand Canal and flooding homes south of the Canal, and 3) storm water ponding against Grand Avenue in downtown Glendale and flowing across Grand Avenue.

This project would remove 745 homes from the floodplain. Within that floodplain, there is $47 million worth of development and 4,000 residents. There are currently 12,300 structures in the 1963 flood area with potential damages estimated at $180 million. The project would also mitigate flooding in downtown Glendale. Total cost of the project is $67 million of which $28 million is committed by IGA 2000A013 between the District and the Cities. The cost share for the Outfall Channel and the Camelback Road Storm Drain is estimated at $13.8 million of which the Flood Control District would pay 50% and the Cities of Glendale and Phoenix would each pay 25%. For the Bethany Home Road Storm Drain, the cost share is estimated at $14.4 million, which would be split 50/50 between the Flood Control District and the City of Glendale.

Discussion:
Callow: What happens to the alley along the Grand Canal behind the homes?
Vogel: The alley goes away as far as functional use. We've talked to City of Phoenix staff about moving trash pick up to the street side of the alley.
Callow: And they are okay with that?
Vogel: Yes.
Rogers: When the government built the Grand Canal, particularly when you get out towards the end like that, the fall in that canal gets very little. Will you have any trouble getting the water to go as fast as you want in order to move it out of that area?
Vogel: We will place a structure underneath the canal. It will have to be a very wide, shallow structure – five cells, each cell five feet high by ten feet wide structure. All of the preliminary hydraulics have been completed for the project and we know it will work.

Callow: The Bond Committee for the City of Phoenix is wrestling with what will be included in the bond that goes to the electorate next Spring. Right now, it looks like we will be putting about $8 million into the project out of the $13 million that is our share. This project extends beyond the limits of our bond program. Our bond program goes to 2005 and this project goes to 2008. I think by the time we get to 2008, the City will come up with the other $5 million (depending on a successful election, of course).
Grant Anderson, City of Glendale: Glendale is in full support of this project. We've taken a lot of steps to protect the citizens and new subdivisions in Glendale, realizing that we all have to be part of a region-wide solution. The question might be asked, however, why the original study was in 1987 and we are over ten years later finally getting to a solution. There was a large corridor that was eliminated in 1995 called the Paradise Freeway Corridor that would have created a 100-year storm drain capacity for the area along Grand Avenue and the Bethany Home alignment that would have removed a lot of water from this area. Since the demise of that freeway concept, we had to go back to the ADMP that was produced in 1987 and find additional solutions and monies. Phoenix is wrestling with the money; Glendale also has to wrestle with the funding for a project of this magnitude. We also will find innovative ways to fund this project in a way that will be beneficial to all our citizens.

Staff recommends that the Flood Control Advisory Board approve and recommend that the Board of Directors approve IGA FCD 2000A013 for the Bethany Home Outfall Channel, Camelback Road Storm Drain, and Bethany Home Road Storm Drain.

ACTION: It was moved by Mr. Sands and seconded by Mr. Callow to approve staff recommendation. The motion carried unanimously with the exception of Ms. Long who abstained for cause.

5) TOWN OF GUADALUPE DRAINAGE IMPROVEMENT PROJECT

Mr. Ellegood commented that the District had previously proposed a 100-year storm outfall for the Town of Guadalupe. For a number of reasons, the District went back to look at the project and when everyone sat down with the plans, it was concluded that the proposed alternative wouldn't work. The District came up with a re-design, which looks to be a better project.

Don Rerick presented the amendment to Resolution FCD 95-12A; and amendments to IGA FCD 99003A between the Flood Control District and the City of Tempe, IGA FCD 99004B between the District and the Salt River Project, and IGA FCD 99005A between the District and the Town of Guadalupe.

Mr. Rerick explained that as the District got into the project design, as the Town looked more closely at the project, and as communications with SRP became more clear, it became evident that the District would be unable to meet certain restrictions and uses for the SRP right-of-way along the west side of the Highline Canal. For the 100-year level project to avoid impacts to properties of businesses, residences and vacant land along the west side of the Highline Canal, it would be physically to design and construct the collector channel within the limited amount of right-of-way and still meet SRP's needs and the Town's desire for minimal residential and business impacts.

SRP staff, Town staff, and District staff brainstormed what the District believes will eliminate those challenges while still providing a justified project to the Town. The solution is a 10-year system, utilizing the original three basins, and would include potentially a fourth basin. Rather

than a collector channel at the downstream end of the watershed, the new concept would include a storm drain trunk line system within the streets of the Town. This solution will allow the District to reduce the project cost by an estimated $1 million.

Veronica Flores, Vice Mayor for the Town of Guadalupe expressed appreciation to the Flood Control District staff for their help in making the change from the 100-year to the 10-year plan that will take care of the Town's flood control needs. She reported that in September the Town Council approved the IGAs being presented before the Advisory Board today.

Supervisor Mary Rose Wilcox, District 5, reiterated that the current plan provides flood protection for the Town, the Town Council supports it, and more importantly, it clears up excess land that is much needed by the Town. She urged that the Advisory Board approve this project.

Staff recommends that the Flood Control Advisory Board approve and recommend that the Board of Directors approve the amended Resolution and IGAs for the Town of Guadalupe Drainage Improvement Project.

Discussion:
Long: What are the cost savings between a 100-year and 10-year plan?
Rerick: We estimate it to be approximately $1 million.

ACTION: It was moved by Mr. Callow and seconded by Ms. Long to approve staff recommendations. The motion carried unanimously.

4) ALMA SCHOOL DRAIN

Bobbie Ohler presented IGA FCD 2000A010 for cost sharing, design, rights-of-way acquisition, construction and reconstruction, construction management and operation and maintenance for the Alma School Drain among the District, the City of Mesa, and the Salt River Project.

Ms. Ohler indicated that this IGA replaces the original IGA (IGA 371-67-F) which was authorized in 1967. The new IGA is needed to better define the responsibilities of the Project partners; to set requirements for reconstruction of the lined reach, provide for lining the un-lined reach, and provide for major repairs; and to ensure that the District receives legal access easements to perform maintenance.

The cost estimate for lining the bottom of the earthen channel ranges from $120,000 to $180,000 to be shared equally by the District, SRP and Mesa. The cost estimate to reconstruct the lined channel is $425,000 to be shared equally by SRP and Mesa.

Staff recommends that the Flood Control Advisory Board approve and recommend that the Board of Directors approve IGA FCD 2000A010 for the Alma School Drain.

Discussion:
Rogers: When you say you are going to line the bottom, I assume you mean the sides too?
Ohler: The plan is to line the invert and two feet up on the sides.
Rogers: Tom (Sands), are you familiar with this project?
Sands: Yes, I was SRP's staff person on the project.
Rogers: I thought they were going to line the sides?

Sands: The rock lining on the bottom end looks to be in adequate shape. It's been in there for 30 plus years and as often as we put water in there, it looks like it may last another 50-100 years just the way it is. The Flood Control District wanted to reduce their cost for maintaining this section, so the idea was to line the bottom and go a couple of feet up on the sides.
Lemmon: Despite the prodding of project engineers on both sides, the Salt River Project attorney and myself were not able to discuss one small paragraph in this agreement. It's paragraph 20 and deals with some water quality issues that we may be amending before it goes to the Board of Directors. Because of the time constraints on the work during the dry-up period, we ask that they not hold the agreement up for this meeting. I just want to disclose that paragraph 20 may look a little bit different in the final agreement.
Sands: I want to point out two items on this project. One, the desire of the three parties is to get this work done as soon as possible, hopefully during this year's south side dry-up which starts right after Thanksgiving and runs until about Christmas. In order for SRP to finish the design and issue a notice to proceed for this project, we have to have the contract signed by all three parties by October 24. If the City of Mesa cannot get this project before their council in time, the cost estimate for lining the channel could be on the higher side due to having to deal with the nuisance water that would be in the channel during construction. The next dry-up is not scheduled until two years from now on the south side of our system. Secondly, the landowner that owns the property upon which we are going to line has asked SRP if we would prepare a cost estimate for not just lining, but for piping that reach of the drain. We are performing the cost estimate at this time. It looks like the cost could be pretty significant. If the landowner says he would like it to be piped, that would probably delay the lining of the channel for at least this year. We hope to have a cost estimate to the landowner later on this week.

ACTION: It was moved by Mr. Callow and seconded by Ms. Long to approve staff recommendations. The motion carried unanimously.

6) DURANGO REGIONAL OUTFALL PROJECT

Greg Jones presented Resolution FCD 2000R012 for negotiation/preparation of IGAs, advance acquisition of real property, right to condemn real property, inclusion of funds in the Five-Year CIP, design, construction, construction management, and operations and maintenance of the Durango Regional Outfall.

Mr. Jones explained that the benefits of the project would be to remove 300 acres of floodplain in the Tolleson area, which includes approximately 61 residents and 25 businesses. In addition, it will provide a drainage outfall for this area, which does not currently exist.

Staff recommends that the Flood Control Advisory Board approve and recommend that the Board of Directors adopt Resolution FCD 2000R012 for the Durango Regional Outfall Project.

Discussion:
Rogers: Have the people that this will affect been notified of this project?
Jones: I have notified Tolleson, we've have two or three City Council meetings, we've sent out mailers in their water bill twice on this particular project. As far as affecting homes, we are trying to locate the channel in vacant agricultural fields. As part of this project, to my knowledge we will not be doing any residential or business acquisitions at this time.
Rogers: Does the project itself follow the railroad all the way?

Jones: It deviates in and out to the north side. There are places where it's about 200-feet to the north of the railroad track. There are other places where it's adjacent to it. There is probably about a quarter of a mile that will need to be a box culvert.
Rogers: I know a few people along that land and I don't think they know about it.
Ellegood: If you know them, it would sure help if you told them. We have as effective of an outreach program as we can develop – notices in water bills, City Council meetings, mailers, etc. It always amazes me that in spite of our best efforts, there is always a group of people – and some how it always seems to be the most affected people – who never get the word. At this juncture, we can change anything in order to do what needs to be done. I'd rather smoke these issues out at the beginning of this effort rather than just prior to going to construction.
Jones: I'd like to add that we did send a direct mailer to people within 300-feet of the alignment. We took that off of the metro scan which is probably about 80% accurate.
Ellegood: We really want to work with the folks. We want them to know what we are doing and we want them to voice their concerns or support as we develop the design. If they haven't heard and through your personal connections, Mr. Chairman, if you could make that connection, we'd be delighted to sit down and talk with them.
Rogers: Once this is approved today then you could go ahead and start. You can't change it then can you?
Jones: We do not have final design on this. All we have is a conceptual alignment. We are trying to go forward with IGAs with the Cities of Avondale and Tolleson to help determine the final alignment.
Ellegood: Now is the time to do that. We haven't designed it, we're not ready to go to construction, or acquire rights-of-way.
Rogers: What would happen if we table this to the next meeting?
Ellegood: It works for me. Greg, what is your timeline?
Jones: My timeline is that I'm trying to push this project forward as quickly as I can, but if we need to table it we can.
Ellegood: Would a month work for you?
Jones: Yes.
Perreault: We have been working with Tolleson for about five years on this project. We've worked with the City Manager, Public Works Director, City Council, and the Mayor and we are trying to move this project along as quickly as we can. It's taken us five years to get to this point; one more month will not matter. All we are asking that the Advisory Board consider today and recommend is a Resolution allowing us to proceed with the negotiations more formally with the City. We are not committing to buying property or constructing specific features of the project because it hasn't been designed yet. What I would ask, Mr. Chairman, is that you consider going ahead with the Resolution today and we can redouble our efforts with the City and make sure that all property owners that could be impacted by this project get notified.
Ellegood: Let me suggest that we table this for a month. Mr. Chairman, if I could get you to perhaps set up a meeting with some of the folks you think would be interested, we'd be happy to meet with them and share what is going on and find out what their issues are.

ACTION: It was moved by Mr. Callow and seconded by Ms. Long to table this item until the next meeting. The motion carried unanimously.

7) COMMENTS FROM THE CHIEF ENGINEER AND GENERAL MANAGER

Mr. Ellegood noted that a packet of newspaper clippings has been provided to each Advisory Board member. These are articles by the local news media that have occurred over the past several months.

Mr. Ellegood was pleased to announce that the District had two very significant successes in the last two days. Yesterday, Congress passed the WRDA 2000 Bill, which authorized the Phoenix Rio Salado Project to move forward and provides funding for it. The first increment of funding, which is always the most important, although it wasn't large enough to fund the construction of the entire Project, is enough to authorize the start of construction. It is expected that there will be additional funds in subsequent years to allow the Project to go to fruition. Mr. Ellegood indicated that the District has already started its construction project in collaboration with the City of Phoenix and construction is going well. Along with that same WRDA 2000 Bill came authorization for the start of the Tres Rios Project, which basically is related to the Rio Salado Project. It deals with the 91st Avenue Treatment Plant and is a reconstruction of the Salt River down to the Gila River. No funds for construction were authorized, but the Project was authorized, which is also a very good start. There was no news on the El Rio Project, which is the reconstruction of the Gila River from the Agua Fria down to the SR85 Bridge. It is hoped that this can be added as an amendment later this fiscal year. This is very good news for the District because these two projects are very visible, high-level projects that will enhance the quality of life and the value of property that front on the Salt River.

This morning Mr. Ellegood met with representative from the U.S. Army Corps of Engineers to discuss the District's project along the Agua Fria River. The District has been pursuing a $5 million Corps of Engineer River Restoration effort to use as a pilot project for the restoration of the Agua Fria River. Mr. Ellegood learned that the Corps had authorized the reconnaissance study for this project. The anticipation is that the $5 million program will be fully funded next fiscal year, which will allow the District to start construction of about five miles of restoration of the Agua Fria River in roughly Fall or early Winter of 2001. There is a press conference scheduled on Thursday in Avondale where the Project will be cited. Mr. Ellegood mentioned that Mr. John F. Long was very instrumental in helping bring parts of that to fruition. Supervisor Wilcox, Westmarc and a number of others all played a part in bringing this about.

Mr. Ellegood commented that the annual salary adjustments for employees are being submitted today. These increases will continue to bring District employee salaries to parody with people doing other jobs elsewhere in the County and elsewhere in agencies here in the Valley. This will allow the District to attract and retain very good and talented people.

The District's management team will be meeting this week to discuss a potential reorganization – moving some positions around in order to get staffing where it is most sorely needed, which is basically in supporting the District's planning activities.

8) SUMMARY OF RECENT ACTIONS BY THE BOARD OF DIRECTORS

Mr. Ellegood mentioned that there were no significant activities by the Board of Directors that need to be reported other than those that are contained within the FCAB packet.

9) OTHER BUSINESS AND COMMENTS FROM THE PUBLIC

Mr. Callow asked if the Doubletree Ranch Road Project ever went to the Board of Supervisors? Mr. Ellegood responded that this project is in remission. He has, on several occasions, talked with representatives from the Town and suggested to them that if they needed that project, it was up to them to take it to the Board of Directors. Mr. Ellegood has gotten the impression that

without the support of the FCAB, Chairman Kunasek is reluctant to move this project forward to the full Board.

Mr. Callow commended whomever it was on the District staff that came up with the colored tabs for the FCAB Agenda Information packets. Mr. Ellegood informed him that the Clerk of the Board, Kathy Smith, was responsible for this.

The meeting was adjourned at 3:30 p.m. by general consent.

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Shirley Long	Kathy Smith
Secretary of the Board	Clerk of the Board