MINUTES

FORT BEND COUNTY LEVEE IMPROVEMENT DISTRICT NO. 15

March 9, 2018

The Board of Directors of Fort Bend County Levee Improvement District No. 15 ("LID 15") met in special session, open to the public, on the March 9th, 2018, at the Fort Bend County Economic Development Council Conference Room, One Fluor Daniel Drive, Building D, Sugar Land, Texas 77478, outside the boundaries of the District, and the roll was called of the members of the Board:

Frank Yonish	President
Darrell Groves	Vice President/ Secretary
Rohit Sankholkar	Assistant Secretary/Assistant Vice President

and all of the above were present, thus constituting a quorum.

Also present at the meeting were: Rob Thompson, James W. Green, and John Arndt of Fort Bend County Levee Improvement District No. 19 ("LID 19"); Andrew Yee of the City of Sugar Land; Gary Paradise and Nam Baek, District residents; Chad Hablinski of Costello, Inc.; Jeff Perry and Ross Awtry of Levee Management Services, LLC; and Nancy Carter, Keely Campbell, and Tara Miles of The Muller Law Group, PLLC.

HURRICANE HARVEY MATTERS

Mr. Hablinski distributed the list of recommended post-Harvey projects and cost summary for the Lost Creek Pump Station, copies of which are attached. The directors of LID 19 and LID 15 discussed the proposed projects and cost-sharing opportunities and confirmed their desire to work together towards regional flood protection improvements.

The Boards discussed the proposed cost-sharing of the Lost Creek Pump Station, Snake Slough Pump Station, Interconnect between Steep Bank Creek and Alcorn Bayou, and Interconnect between Snake Slough and Steep Bank Creek. Ms. Carter noted that LID 15 authorized the design of the Snake Slough Pump Station and both interconnects at their last Board meeting. LID 19 took action to participate in design of the Snake Slough Pump Station and the Interconnect between Steep Bank Creek and Alcorn Bayou and to consider participation in the Interconnect between Snake Slough and Steep Bank Creek following the elevation determination. The LID 19 directors stated that they will consider participation in construction costs of the aforementioned projects following receipt of their third-party engineering report.

Ms. Carter discussed a potential conflict of interest by MLG representing both LID 15 and LID 19 in preparing cost sharing agreements related to the proposed flood protection improvements and informed the Boards of their option to seek outside counsel assistance for such agreements.

CONVENE IN EXECUTIVE SESSION PURSUANT TO SECTION 551.072, TEXAS GOVERNMENT CODE, TO CONSULT WITH ATTORNEY ABOUT PENDING OR CONTEMPLATED LITIGATION

The Board convened in Executive Session, and Director Yonish announced the date and time to be 4:50 p.m. on March 9, 2018.

RECONVENE IN OPEN SESSION

The Board reconvened in regular session, and Director Yonish announced the date and time to be 5:00 p.m. on March 9, 2018. No Board action was taken.

There being no further business to come before the Board, the Board concurred to adjourn the meeting.

FORT BEND COUNTY LEVEE IMPROVEMENT DISTRICT NO. 15
FORT BEND COUNTY, TEXAS

Secretary, Board of Directors

LIST OF ATTACHMENTS TO MINUTES

4827-2933-8719, v. 1

Fort Bend County Levee Improvement District No. 15

After Action Plan - Preliminary Recommendations

Project Number	Project Description	Estimated Cost (after proration, if applicable)	Estimated Completion Time	Approved by Board (Date)
1	Construction of outfall southeast corner of Prestwick and overflow path	$120,000	180 days	12/19/17
2	Construction of Snake Slough Pump Station (pro rated 60%)	$1,831,000	550 days	12/19/17
3	Construction of watershed interconnect between Snake Slough and Alcorn Bayou	TBD	TBD	
4	Construction of 400,000 GPM Lost Creek Pump Station (pro rated 33.0%)	$4,365,000	730 days	Coordination with other Districts authorized 12/19/2017
5	Construction of watershed interconnect between SBC and Alcorn Bayou (pro rated 50%)	$313,000	180 days	
6	Construction of watershed interconnect between Snake Slough and SBC (prorated 33%)	$344,000	270 days	
7	Construction of staff gauges at SBC pump station (pro rated 55%)	$5,500	90 days	12/19/17
8	Construction of staff gauges at Alcorn Pump Station	$10,000	90 days	12/19/17
9	Construction of staff gauges at Pecan Manor Outfall	$10,000	90 days	12/19/17
10	Remove pipe culverts at pipeline crossing east of Avalon	<$5,000	30 days	12/19/17
11	Construction of driveway from Levee to Alcorn Pump Station	$40,000	120 days	12/19/17
12	Digital information boards for emergency information located in the District	$15k-$35k/ea	120 days	12/19/17
13	Construction of lighting package at SBC pump station (pro rated 55%)	TBD	120 days	
14	Construction of lighting package at Alcorn Pump Station	TBD	120 days	
15	Construction of lighting package at Pecan Manor Outfall	TBD	120 days	
16	Construction of bunk house/headquarters for LID 19/LID 15 system (pro rated 50%)	$300,000	365 days	
17	Development of video monitoring at Pump Stations	TBD	270 days	
18	Purchase UTV for levee monitoring during river event	$15,000	30 days	
19	Construction of all weather surface on levee top (21,700-ft @ $60/ft)	$1,300,000	TBD	
20	Construction of lighting package at Pond AS12 Outfall	TBD	120 days	
21	Construction of staff gauges at Pond AS 12 Outfall	$10,000	90 days	12/19/17
22	Construction of conveyance improvements for Steep Bank Creek (pro rated 34.1%)	TBD	TBD	
23	Stand-by Rental Pumps	TBD	TBD	authorized pricing proposals 1/23/17
a	Federal Grants and Reimbursement - Engage FEMA Consultant	TBD	ongoing	11/28/17
b	Evacuation Orders - Expand / Expedite ability to distribute information to District	TBD	TBD	
c	Expansion of District Website Communications	TBD	TBD	
d	Expansion of Emergency Notification System	<$10,000	30 days	
e	Answering Service During Emergency Conditions	TBD	TBD	
f	Coordination with other Governmental Agencies / Protocol for LID rep to report to District	<$10,000	30 days	
g	Pre-establish procedure and budgets for emergency operations / change order approvals	<$10,000	90 days	
h	Prequalify Contractors/Vendors for Recovery Needs	<$10,000	60 days	
i	Community Outreach / Live Webcasts	TBD	TBD	
j	Law Enforcement - Prodocol with MUDs to communicate needs and explore supplemental security services	<$10,000	30 days	
k	Debris Removal - Communicate with County and staging area	<$10,000	TBD	

Fort Bend County Levee Improvement District No. 19

After Action Plan - Preliminary Recommendations

Project Number	Project Description	Estimated Cost (after proration if appropriate)	Estimated Completion Time	Approved by Board (Date)
1	Construction of 400,000 GPM Lost Creek Pump Station (pro rated 28.4%)	$3,750,000	730 days	Coordination with other Districts authorized 1/23/2017
2	Construction of Snake Slough Pump Station (pro rated 40%)	$1,221,000	550 days	
3	Construction of watershed interconnect between Snake Slough and SBC (pro rated 33%)	$344,000	270 days	
4	Construction of watershed interconnect between SBC and Alcorn Bayou (pro rated (50%)	$313,000	180 days	
5	Construction of staff gauges at SBC pump station (pro rated (45%)	$4,500	90 days	12/19/17
6	Digital information boards for emergency information located in the District	$15k-$35k/ea	120 days	12/19/17
7	Construction of lighting package at SBC pump station (pro rated (45%)	TBD	120 days	12/19/17
8	Construction of bunk house/headquarters for LID 19/LID 15 system (pro rated 50%)	$300,000	365 days	
9	Development of video monitoring at Pump Stations	TBD	270 days	
10	Purchase UTV for levee monitoring during river event	$15,000	30 days	
11	Construction of all weather surface on levee top (26,000-ft @ $60/ft)	$1,560,000	TBD	
12	Construction of conveyance improvements for Steep Bank Creek (pro rated 27.4%)	TBD	TBD	
23	Stand-by Rental Pumps	TBD	TBD	authorized pricing proposals 1/23/17
a	Federal Grants and Reimbursement - Engage FEMA Consultant	TBD	ongoing	11/13/17
b	Evacuation Orders - Expand / Expedite ability to distribute information to District	TBD	TBD	
c	Expansion of District Website Communications	TBD	TBD	
d	Expansion of Emergency Notification System	<$10,000	30 days	
e	Answering Service During Emergency Conditions	TBD	TBD	
f	Coordination with other Governmental Agencies / Protocol for LID rep to report to District	<$10,000	30 days	
g	Pre-establish procedure and budgets for emergency operations / change order approvals	<$10,000	90 days	
h	Prequalify Contractors/Vendors for Recovery Needs	<$10,000	60 days	
i	Community Outreach / Live Webcasts	TBD	TBD	
j	Law Enforcement - Prodocol with MUDs to communicate needs and explore supplemental security services	<$10,000	30 days	
k	Debris Removal - Communicate with County and staging area	<$10,000	TBD	

Construction Estimate of Cost for Lost Creek Pump Station
Cost Shared with Other Entities

Item No.	Description of Item	Quantity	Unit	Unit Price	Extended Total
PUMP STATION ITEMS					
1 .	Proposed Generator (Natural Gas)	1	LS	$1,500,000.00	$1,500,000.00
2 .	Proposed Natural Gas Piping	1	LS	$25,000.00	$25,000.00
3 .	Proposed Stormwater Pumps	9	EA	$200,000.00	$1,800,000.00
4 .	Proposed Sump Pump	1	LS	$25,000.00	$25,000.00
5 .	60" Pump Tubing	9	EA	$12,000.00	$108,000.00
6 .	Proposed Venilation Fans	1	LS	$45,500.00	$45,500.00
7 .	Electrical System Installation	1	LS	$1,750,000.00	$1,750,000.00
8 .	Electrical Service	1	LS	$25,000.00	$25,000.00
8a .	Install Primary Circuit and Ductbank to Transformer Pad	150	LF	$250.00	$37,500.00
8b .	Install Secondary Circuit and Ductbank from Transformer Pad	100	LF	$750.00	$75,000.00
9 .	Telephone Service	1	LS	$1,000.00	$1,000.00
10 .	Pump Controller Programming Allowance	1	LS	$115,000.00	$115,000.00
11 .	Multilin Programming Allowance	1	LS	$45,000.00	$45,000.00
12 .	Security System	1	LS	$45,000.00	$45,000.00
13 .	NG Service/Meter Assembly Allowance (Si Energy)	1	LS	$15,000.00	$15,000.00
14 .	*Motor Control and Generator Building*	1	LS	$350,000.00	$350,000.00
15 .	Pump Station Structure	1	LS	$2,500,000.00	$2,500,000.00
16 .	Sluice Gate electric actuator	2	EA	$75,000.00	$150,000.00
17 .	120" Discharge Piping	400	LF	$1,200.00	$480,000.00
18 .	Coating System on Discharge Piping and Pump Tubes	1	LS	$50,000.00	$50,000.00
19 .	120" Flap Gate	2	EA	$75,000.00	$150,000.00
20 .	120" Sluice Gate	2	EA	$75,000.00	$150,000.00
21 .	Levee Removal/Replacement	1	LS	$10,000.00	$10,000.00
22 .	Reseed Levee Disturbed Area	1	LS	$10,000.00	$10,000.00
23 .	60" Check Valves	9	EA	$85,000.00	$765,000.00
				Subtotal:	$10,227,000.00
DRAINAGE ITEMS					
24 .	Relocate 36" Backslope Interceptor	1	EA	$10,000.00	$10,000.00
25 .	54" RCP Storm Sewer	150	EA	$250.00	$37,500.00
26 .	54" Outfall Structure	1	EA	$15,000.00	$15,000.00
27 .	Remove Ex. 54" Stm and Outfall Structure	1	LS	$10,000.00	$10,000.00
28 .	8' x 6' CL III RCP Storm Sewer	300	LF	$650.00	$195,000.00
29 .	SET For 8'x6' Outfall	6	EA	$17,500.00	$105,000.00
30 .	Sloped Paving for 8'x6' Outfall	1,500	SY	$30.00	$45,000.00
31 .	Proposed Swale	300	LF	$10.00	$3,000.00
32 .	Type "A" Inlet	3	EA	$2,500.00	$7,500.00
33 .	On Site Drainage	1	LS	$10,000.00	$10,000.00
34 .	Trench Safety System	850	LF	$15.00	$12,750.00
				Subtotal:	$450,750.00
PAVING ITEMS					
35 .	Excavation	1	LS	$5,000.00	$5,000.00
36 .	Haul off Surplus Excavation - Material to become Property of the Contractor	1	LS	$10,000.00	$10,000.00
37 .	8" Thick Lime Stabilized Subgrade	850	SY	$3.00	$2,550.00
38 .	*Lime (8%)*	25	TON	$180.00	$4,500.00
39 .	7" Concrete Pavement	800	SY	$35.00	$28,000.00
40 .	6" Curb	450	LF	$4.00	$1,800.00
41 .	Final Grading Pump Station Site	1	LS	$5,000.00	$5,000.00
42 .	Paving Markings	1	LS	$1,500.00	$1,500.00
43 .	Retaining Wall	100	LF	$250.00	$25,000.00
44 .	Pipe Bollards (Location TBD by Centerpoint)	15	EA	$800.00	$12,000.00
45 .	Radiator Pad	1	EA	$1,500.00	$1,500.00
46 .	Transformer Pad	1	EA	$1,000.00	$1,000.00
47 .	Gas Meter Pad	1	EA	$800.00	$800.00
				Subtotal:	$98,650.00
MISCELLANEOUS ITEMS					
48 .	Clearing and Grubbing (Site and Access Road)	1	LS	$5,000.00	$5,000.00
49 .	Construction Staking	1	LS	$10,000.00	$10,000.00
50 .	20-foot Wide Gate (Entry)	1	EA	$7,000.00	$7,000.00
51 .	Remove Barbed Wire Fencing (as necessary)	1	LS	$500.00	$500.00
52 .	Brick Fencing	500	LF	$165.00	$82,500.00
53 .	Minimum 2 Ton Portable A Frame Gantry (Aluminium or Steel) with Minimum 2 Ton Single Phase 110V Electric Hoist (with 35-foot Wire Rope or Chain)	1	LS	$5,000.00	$5,000.00
54 .	City of Missouri City Infrastructure Fee	1	LS	$90,000.00	$90,000.00
				Subtotal:	$200,000.00
SWPPP ITEMS					
55 .	Turf Establishment by Hydromulch Seeding (Pump Station Site)	2	Acres	$1,500.00	$3,000.00
56 .	*Reinforced Silt Fence (Installed as Directed in Field)*	500	LF	$2.00	$1,000.00
57 .	Inlet Protection Barrier	3	EA	$200.00	$600.00
58 .	Construction Entry/Exit	1	LS	$4,000.00	$4,000.00
59 .	NOI Submittal	1	LS	$1,500.00	$1,500.00
				Subtotal:	$10,100.00
SUPPLEMENTAL ITEMS					
60 .	Well Point System	1	LS	$20,000.00	$20,000.00
61 .	Additional Cost to Provide Modified Bedding for Box Storm Sewer	100	LF	$15.00	$1,500.00
62 .	Extra Cement Stabilized Sand	25	CY	$12.00	$300.00
63 .	Granular Material for Over Excavation of Trench	50	CY	$15.00	$750.00
				Subtotal:	$22,550.00

Construction Cost		**$11,009,050.00**
Geotech/Engineering/Testing (20%)		**$2,201,810.00**
Contingency		**$1,321,086.00**
Project Cost		**$14,531,946.00**
FBCLID 15 SHARE	**33.04%**	**$4,801,550.48**
FBCLID 19 SHARE	**28.38%**	**$4,124,343.47**
FCLID SHARE	**22.70%**	**$3,299,474.78**
FBCMUD 115 SHARE	**11.88%**	**$1,726,114.12**
FBCLID 2 SHARE	**3.99%**	**$580,463.15**