#### **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 9<sup>th</sup>, 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 Darrell Groves Rohit Sankholkar President

Vice President/ Secretary

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.

Secretary, Board of Directors

# LIST OF ATTACHMENTS TO MINUTES

	Minutes Page
list of recommended post-Harvey projects and cost summary for the Lost Creek Pump  Station	1
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 5	Construction of 400,000 GPM Lost Creek Pump Station (pro rated 33.0%)  Construction of watershed interconnect between SBC and Alcorn Bayou (pro rated 50%)  Construction of watershed interconnect between Snake Slough and SBC (prorated 33%)	\$4,365,000 \$313,000 \$344,000	730 days 180 days 270 days	Coordination with other Districts authorized 12/19/2017
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  Construction of staff gauges at Pecan Manor Outfall	\$10,000 \$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	
с	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)
				Coordination with other Districts
1	Construction of 400,000 GPM Lost Creek Pump Station (pro rated 28.4%)	\$3,750,000	730 days	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	
С	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

2. Proposed Natural Sax Prijenge 3. 1. Proposed Samma Variang 4. Proposed Samma Variang 4. Proposed Samma Variang 5. 1. Samma Variang 6. Proposed Samma Variang 7. Referrant Systems relaxation 7. Referrant Systems relaxation 8. Proposed Samma Variang 8. Referrant Systems relaxation 9. Referrant Systems relaxation 9. Referrant Systems relaxation 9. Referrant Systems relaxation 10. Parts Centroller Pregnamming Allocance 11. Lis. Samma Variang 10. Person Centroller Pregnamming Allocance 11. Lis. Samma Variang 12. Research Systems 12. Referrant Systems 12. Referrant Systems 13. Lis. Samma Variang 13. Lis. Samma Variang 14. Medic Control and Centroller Pregnamming Allocance 15. Proposed State Systems 16. Lis. Samma Variang 17. Lis. Samma Variang 18. Lis. Samma Variang 18. Lis. Samma Variang 19. Lis.	ltem No.	Description of Item	Quantity	Unit	Unit Price	Extended Total
1.	DIIMD STAT	TION ITEMS				
2. Projected Natural Case Pipilips 3. Projected Statural Case Pipilips 4. Projected Statural Case Pipilips 4. Projected Stamp Puring 5. Lis St.			1	LS	\$1,500,000.00	\$1,500,000.0
4 - Processed Samp Pump 5 - 50 FPump Tabbing 9 - PK   \$1,000.00   \$25,000   6 - Progresser Verellation Paras   1   15   \$45,000.00   \$344,000   7 - Restricts System Institution   1   15   \$45,000.00   \$344,000   8 - Restricts System Institution   1   15   \$55,000   \$344,000   8 - Restricts System Institution   1   15   \$55,000   \$373,000   9 - Freighten Standard Crient and Protection From Transformer Pard   10   10   555,000   9 - Freighten Standard Crient and Protection From Transformer Pard   10   10   555,000   \$373,000   9 - Freighten Standard Protection From Transformer Pard   10   10   555,000   \$373,000   9 - Freighten Standard Protection From Transformer Pard   10   15   \$340,000   \$373,000   10 - Freighten Standard Protection From Transformer Pard   1   15   \$340,000   \$350,000   11 - Restrict System   1   15   \$350,000   \$350,000   12 - Standard Protection From Transformer   1   15   \$350,000   \$350,000   13 - Restrict System   1   15   \$350,000   \$350,000   \$350,000   13 - System   10   10   10   10   10   10   10   1	2	. Proposed Natural Gas Piping	1	LS		\$25,000.0
S. 60 Pump Tabling 6. Proposed Verifator Fam 7. Detectical System Institutions 7. Detectical System Institutions 7. Detectical System Institutions 7. Detectical System Institutions 8. Detectical System Institutions 9. Telephone Service 1. Detection Institution 1. Det			9	EA	\$200,000.00	\$1,800,000.0
6 - Proposed Venilation Fairs						\$25,000.0
7. Descried System installation 8. Betternical Survices 8. Betternical Survice						\$108,000.0
B. Institution Forcett and Ducthank to Transformer Prid   100   IF   \$250,000   \$250,0						\$45,500.0
89 Install Primary Circuits and Duchashs to Transformer Pad   150   LF   \$22,000   \$373,000   \$373,000   \$373,000   \$373,000   \$373,000   \$373,000   \$373,000   \$370,						
88   Invalid Secondary Circuit and Ductahark from Transformer Pad   100   LF   \$75,000   \$755,000   \$20   \$1,000   \$20   \$20   \$1,000   \$20   \$20   \$20   \$1,000   \$20						
10   Pump Controller Programming Allowance   1   15   511,00000   511,0000   12   545,00000   545,00000   15   545,00000   545,00000   15   545,000000   15   545,00000   15   545,00000   15   545,000000   15   545,000000   15   545,000000   1						\$75,000.0
1.   Security Systems   1.   S.   \$5,00,000   \$45,000   \$15,000	9	. Telephone Service	1	LS	\$1,000.00	\$1,000.0
12   Security System			1	LS	\$115,000.00	\$115,000.0
13. NO Service Moter Assembly Allowance (Si Energy) 14. Motor Control and Generated rollwilling 15. Pump Station Structure 16. Salto Sartor and Generated rollwilling 16. Salto Sartor and Generated rollwilling 17. L20* Sections of Sartor and S		-				\$45,000.0
A.   Motor Control and Generator Building						\$45,000.0
15   Subsect April   Subsect   Sub						\$15,000.0
16 - Suice Gate electric acturuor 17 - 120° Discharge Piping 18 - Coating System on Discharge Piping and Pump Tubes 18 - Localing System on Discharge Piping and Pump Tubes 19 - 120° Filting Gate 20 - 120° Sluice Gate 21 - Leve Nemmon/Insplicement 21 - Leve System on Discharge Piping and Pump Tubes 21 - Leve Nemmon/Insplicement 22 - Leve System on Discharge Piping and Pump Tubes 22 - Research Leve Discharge Piping and Pump Tubes 22 - Research Leve Discharge Piping and Pump Tubes 23 - Research Leve Discharge Piping and Pump Tubes 24 - Research Leve Discharge Piping and Pump Tubes 24 - Research Leve Discharge Piping and Pump Tubes 25 - Syst Ref System Sever 26 - Syst Ref System Sever 27 - Remove Leve System on Discharge Piping System Sys						•
17   1207 Discharge Piping   400   15   \$1,200.00   \$480,000   \$30,000   \$		• • • • • • • • • • • • • • • • • • • •				
18   Coating System on Discharge Pioling and Pump Tubes   1   15   \$50,000.00   \$50,000.00   \$10,000   \$10,000   \$10,200   \$						1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
13   120° Flap Gate   2 EA   575,000.00   \$150,000   21   Livene Removal/Replicament   1 IS   \$10,000.00   \$150,000   22   Receased Leve Disturbed Area   1 IS   \$510,000.00   \$10,000   23   60° Check Valvies   9 IA   \$55,000.00   \$715,000   24   Relocation 30° Rate/slope Interceptor   1 IS   \$10,000.00   \$715,000   25   Self-Verification 30° Rate/slope Interceptor   1 IS   \$10,000.00   \$11,000   26   Self-Verification 30° Rate/slope Interceptor   1 IS   \$10,000.00   \$11,000   27   Remove Ex. 54° Stam and Outfall Structure   1 IS   \$15,000.00   \$15,000   27   Remove Ex. 54° Stam and Outfall Structure   1 IS   \$15,000.00   \$15,000   28   Self-Verification 30° Rate/slope Interceptor   1 IS   \$15,000.00   \$15,000   29   SET for 8 Not Outfall   6 EA   \$17,000.00   \$15,000   20   SET for 8 Not Outfall   6 EA   \$17,000.00   \$15,000   20   SET for 8 Not Outfall   1 IS   \$10,000.00   \$15,000   21   Type Ferification   1 IS   \$10,000.00   \$15,000   22   SET for 8 Not Outfall   1 IS   \$10,000.00   \$15,000   23   Type Ferification   1 IS   \$10,000.00   \$15,000   24   Type Ferification   1 IS   \$10,000.00   \$15,000   25   Type Ferification   1 IS   \$10,000.00   \$15,000   26   Type Remove Ex. 54° Stam Andrew State   1 IS   \$10,000.00   \$15,000   27   Type Ferification   1 IS   \$10,000.00   \$15,000   28   SET for 8 Not Outfall   1 IS   \$10,000.00   \$15,000   29   SET for 8 Not Outfall   1 IS   \$10,000.00   \$15,000   20   SET for 8 Not Outfall   1 IS   \$10,000.00   \$15,000   21   Type Ferification   1 IS   \$10,000.00   \$15,000   22   Type Ferification   1 IS   \$10,000.00   \$15,000   23   Type Ferification   1 IS   \$10,000.00   \$15,000   24   Type Ferification   1 IS   \$10,000.00   \$15,000   25   Securation   1 IS   \$10,000.00   \$15,000   26   Securation   1 IS   \$10,000.00   \$15,000   26   Securation   1 IS   \$15,000.00   \$15,000   27   Type Ferification   1 IS   \$15,000.00   \$15,000   28   SECURATION   1 IS   \$15,000.00   \$15,000   29   SECURATION   1 IS   \$15,000.00   \$15,000   20   Securation   1 IS   \$15,000.00   \$15,000						\$50,000.0
20   1.20" Slutce Gate   2   EA   \$75,000.00   \$315,000.00						\$150,000.0
22. Resered Levee Disturbed Area 23. 60" Cheek Valves  80.000.00 \$10,000 Subtotals: \$10,027,000 Subtotals: \$10,000 Subtota	20	. 120" Sluice Gate	2	EA		\$150,000.0
### SAS, 2000   Syris, 2000   Syris, 2000   Subtorial   \$10,227,005   ### SABINAGE ITEMS  24. Relocate 36* Backslope Interceptor   1 EA	21	. Levee Removal/Replacement	1	LS	\$10,000.00	\$10,000.0
### Standard   France   Substance   Substa	22	. Reseed Levee Disturbed Area	1	LS	\$10,000.00	\$10,000.0
Almania   February   Almania   Alm	23	. 60" Check Valves	9	EA		\$765,000.0
24.   Relocate 36" Backslope Interceptor   1 EA   \$10,000.00   \$10,000   \$25,504   \$25   \$48" (PS Sterm Sewer   150 EA   \$15,000   \$37,000   \$37,000   \$25,000   \$37,000   \$25,000   \$37,000   \$25,000   \$37,000   \$28, 8" K" CLILI RCP Storm Sewer   300 LF   \$56,000   \$315,000   \$28, 8" K" SC CLILI RCP Storm Sewer   300 LF   \$56,000   \$315,0					Subtotal.	\$10,227,000.0
25. 54° REP. Storm Sewer 26. 54° Child Structure 27. Remove Ex. 54° Stram and Outfall Structure 28. 8. 8° AC LI RICP Storm Sewer 300 LI \$50,000.0 \$1,000.0 27. Remove Ex. 54° Stram and Outfall Structure 300 LI \$50,000.0 \$1,000.0 29. SET For 8'AC Outfall 1,500 SY \$30.0 \$45,000.0 31. Proposed Swale 30. Sloped Pairing for 8'AC Outfall 1,500 SY \$30.0 \$45,000.0 31. Proposed Swale 31. Proposed Swale 32. Type "A' Inlet 3 EA \$2,500.00 \$7,000.0 31. Type "A' Inlet 3 EA \$2,500.00 \$7,000.0 31. Type "A' Inlet 3 EA \$2,500.00 \$1,000.0 31. Type "A' Inlet 4 EA \$10.00.00 \$1,000.0 31. Type "A' Inlet 5 EA \$10.00.00 \$1,000.0 32. Type "A' Inlet 5 EA \$2,000.00 \$1,000.0 33. Haud off Surplus Excavation - Material to become Property of the 1 LS \$10,000.00 \$1,000.0 33. Haud GRay Excavation - Material to become Property of the 1 LS \$10,000.00 \$1,000.0 33. "Thick Lime Stabilized Subgrade 850 SY \$35.00 \$2,800.0 33. "The Carefied Pavement 800 SY \$35.00 \$2,800.0 34. "To carefied Pavement 800 SY \$35.00 \$2,800.0 35. "The Carefied Pavement 800 SY \$35.00 \$2,800.0 36. Haud off Surplus Excavation Site 1 LS \$5,000.0 \$5,000.0 37. "Powing Materiags Wall 1 LS \$5,000.0 \$5,000.0 38. "The Carefied Pavement 90 Sy \$35.00 \$3,000.0 39. "The Carefied Pavement 90 Sy \$35.00 \$3,000.			1	EA	\$10,000.00	\$10,000.0
26 - S4" Outfall Structure 27 - Remove Ex-3" Stam and Outfall Structure 28 - 8" x of CLI II RCPS Storm Sewer 300 LF \$55,000 \$195,000 28 - 8" x of CLI II RCPS Storm Sewer 300 LF \$55,000 \$195,000 30 . Stoped Paving for 8x6 Outfall 1,500 SY \$10,000 \$45,000 31 . Proposed Swale 30 LF \$1,500 ST \$10,000 32 . Type "A" Inlet 3						\$37,500.0
28. 8 x S CLI II RCPS Storms Sewer  29. SET For SV Cuttail  50. Stoped Paving for 8x Courtail  51. Proposed Swale  30. II For Sv Courtail  31. Proposed Swale  30. II For Sv Courtail  31. Proposed Swale  30. II For Sv Courtail  31. Proposed Swale  32. Type "A" Inlet  33. Ch St Exhauston  34. Trench Safety System  850. IF  515.00  515.00  521.70  50. Stotowaton  34. Trench Safety System  850. IF  55. Excavation  36. Haul off Surplus Excavation - Material to become Property of the  Contractor  37. 8" Thick Lime Stabilized Subgrade  850. SV  \$30. O \$5.00  \$30. II For Stabilized Subgrade  850. SV  \$30. O \$5.00  \$30. II For Stabilized Subgrade  850. SV  \$30. O \$5.00  \$30. II For Stabilized Subgrade  850. SV  \$30. O \$5.00  \$30. II For Stabilized Subgrade  850. SV  \$30. O \$5.00  \$30. II For Stabilized Subgrade  850. SV  \$30. O \$5.00  \$30. II For Stabilized Subgrade  850. SV  \$30. O \$5.00  \$30. II For Stabilized Subgrade  850. SV  \$30. O \$5.00  \$30. II For Stabilized Subgrade  850. SV  \$30. O \$5.00  \$30. II For Stabilized Subgrade  850. SV  \$30. O \$5.00  \$30. ST. STABILIZED STABILI	26	. 54" Outfall Structure	1	EA	\$15,000.00	\$15,000.0
29 . SET for 8x6 Outfall 1,500 by \$30.00 \$155,000 \$31.00 \$30.00 \$31.00 \$30.00 \$31.00 \$30.00 \$31.00 \$30.00 \$31.00 \$30.00 \$31.00 \$30.00 \$31.00 \$30.00 \$31.00 \$30.00 \$31.00 \$30.00 \$31.00 \$30.00 \$31.00 \$30.00 \$31.00 \$30.00 \$31.00 \$30.00 \$31.00 \$30.00 \$31.00 \$				LS		\$10,000.0
30 . Sloped Paving for 84° Outfall				LF		\$195,000.0
31. Proposed Swile 32. Type **Initet 32. Type **Initet 33. EA \$2,500,00 \$37,500 33. On Site Drainage 34. Trench Safety System 850. UF \$15,00 \$31,000 37. Subtotal: \$450,750 Subtotal: \$4						\$105,000.0
32 - Type "A" linket 33 - On Site Drainage 34 - Trench Safety System 35 - Exervation 36 - Hauf Off Surphus Exervation - Material to become Property of the 1 LS \$5,000,00 \$5,000 26 - Contractor 27 - S" Thick Lime Stabilized Subgrade 38 - Lime (8%) 39 - Trench Safety System 40 - O' Curb 41 - Final Grading Pump Station Site 41 - Final Grading Pump Station Site 42 - Paving Markings 43 - Real Stabilized Subgrade 45 - Paving Markings 46 - Learning And Stabilized Subgrade 47 - Paving Markings 48 - Stabilized Subgrade 49 - O' Curb 40 - O' Curb 41 - Final Grading Pump Station Site 40 - Final Grading Pump Station Site 41 - Final Grading Pump Station Site 42 - Paving Markings 43 - Learning Markings 44 - Pipe Bollards (Location TBD by Centerpoint) 45 - Realized Pad 46 - Transformer Pad 47 - Gas Meter Pad 48 - Clearing and Grubbing (Site and Access Road) 49 - Construction Taking 40 - Corb 40 - Corb 41 - Realized Pad 42 - Construction Taking 43 - Learning And Grubbing (Site and Access Road) 40 - Corb 41 - Realized Pad 42 - Construction Taking 43 - Learning And Grubbing (Site and Access Road) 44 - Construction Taking 45 - Construction Taking 46 - Corb 47 - Construction Taking 48 - Clearing and Grubbing (Site and Access Road) 49 - Construction Taking 40 - Construction Taking 41 - Lis 45 - Spool, Oo Spool 46 - Corb 47 - Construction Taking 48 - Clearing and Grubbing (Site and Access Road) 50 - 20-foot Wide Grate (Entry) 51 - Remove Barbed Wire Renoing (as necessary) 51 - Remove Barbed Wire Renoing (as necessary) 52 - Birk Fencing 53 - Minimum 2 Ton Portable A Frame Gantry (Aluminium or Steel) with 54 - Construction Taking 55 - Reinforced Sit Fence (Instablishment by Hydromulch Seeding (Pump Station Site) 55 - Reinforced Sit Fence (Instablishment by Hydromulch Seeding (Pump Station Site) 56 - Reinforced Sit Fence (Instablishment by Hydromulch Seeding (Pump Station Site) 57 - Solo Spool 58 - Reinforced Sit Fence (Instablishment by Hydromulch Seeding (Pump Station Site) 58 - Reinforced Sit Fence (Instablishment by Hydromulch Seedi						\$45,000.0
33. On Site Drainage		8 3000 Market (100 100 100 100 100 100 100 100 100 10				\$3,000.0
34 - Trench Safety System						
Subtotal: \$450,750   Subtota						
35 - Kacavation 36 - Haul off Surplus Excavation - Material to become Property of the Contractor 37 - 8" Thick Lime Stabilized Subgrade 850 SY 38 - Lime (8%) 38 - Lime (8%) 39 - 7" Concrete Pavement 800 SY 33 - 50 S\$3.00 \$2,8,000 39 - 7" Concrete Pavement 800 SY 33 - 50 S\$3.00 \$2,8,000 30 SY 33 - 50 S\$3.00 \$2,8,000 30 SY 33 S\$3.00 \$2,8,000 30 SY 33 S\$3.00 \$2,8,000 31 SY 32 S\$3.00 \$2,8,000 32 S\$4.000 32 S\$4.000 33 S\$4.000 34 S\$4.000 35 S\$4.000 36 S\$4.000 36 S\$4.000 37 S\$5.000 38 S	34	. Helicii Salety System	830	LF		\$450,750.0
35 - Kacavation 36 - Haul off Surplus Excavation - Material to become Property of the Contractor 37 - 8" Thick Lime Stabilized Subgrade 850 SY 38 - Lime (8%) 38 - Lime (8%) 39 - 7" Concrete Pavement 800 SY 33 - 50 S\$3.00 \$2,8,000 39 - 7" Concrete Pavement 800 SY 33 - 50 S\$3.00 \$2,8,000 30 SY 33 - 50 S\$3.00 \$2,8,000 30 SY 33 S\$3.00 \$2,8,000 30 SY 33 S\$3.00 \$2,8,000 31 SY 32 S\$3.00 \$2,8,000 32 S\$4.000 32 S\$4.000 33 S\$4.000 34 S\$4.000 35 S\$4.000 36 S\$4.000 36 S\$4.000 37 S\$5.000 38 S	AVING ITE	MS				
Contractor  7. 8. Thick Lime Stabilized Subgrade  850 SY  \$3.00 \$2,255  38. Lime (8%)  29. TO Concrete Pavement  800 SY  \$35.00 \$28,000  40. S° Curb  41. Final Grading Pump Station Site  42. Paving Markings  43. Retaining Wall  44. Pipe Bollards (Location TBD by Centerpoint)  45. Rediator Pad  46. Transformer Pad  47. Gas Meter Pad  48. Clearing and Grubbing (Site and Access Road)  49. Construction Staking  49. Construction Staking  40. Construction Staking  40. State City of Missouri City Infrastructure Fee  51. Endown Department  83. Minimum 2 Ton Single Phase 110V Electric Hoist (with 35-foot Wire Rope or Chain)  54. City of Missouri City Infrastructure Fee  85. Turf Establishment by Hydromulch Seeding (Pump Station Site)  55. Purf Establishment by Hydromulch Seeding (Pump Station Site)  56. Reinforced Sit Fence (Installed as Directed in Field)  57. Infelt Protection Barrier  68. Construction Stystem  69. Well Point System  60. Well Point System  61. Additional Cost to Provide Modified Bedding for Box Storm Sewer  60. Well Point System  61. Additional Cost to Provide Modified Bedding for Box Storm Sewer  60. Well Point System  61. Additional Cost to Provide Modified Bedding for Box Storm Sewer  62. Extra Cement Stabilized Sand  63. Granular Material for Over Excavation of Trench  64. Extra Cement Stabilized Sand  65. Felicion Stakes  FBCLID IS SHARE  75. Substate  75. Substotal:	35	Excavation	1	LS	\$5,000.00	\$5,000.0
37 . R*Trick Lime Stabilized Subgrade   850 SY   \$3.00   \$2,555	36		1	LS	\$10,000.00	\$10,000.0
38 . Lime (8%) 39 . 7" Concrete Pavement 800 SY \$35.00 \$28,000 40 . 6" Curb 41 . Final Grading Pump Station Site 41 . Final Grading Pump Station Site 42 . Paving Markings 43 . Retaining Wall 44 . Pipe Goldar's (Location TBD by Centerpoint) 45 . Retaining Wall 46 . The Construction TBD by Centerpoint) 47 . Read Station Fad 48 . Retaining Wall 49 . Rep Collar's (Location TBD by Centerpoint) 40 . Final Collar's (Location TBD by Centerpoint) 41 . EA 41 . The Collar's (Location TBD by Centerpoint) 42 . Radiator Pad 43 . Retaining Wall 44 . Transformer Pad 45 . Transformer Pad 46 . Transformer Pad 47 . Gas Meter Pad 48 . Clearing and Grubbing (Site and Access Road) 49 . Construction Staking 40 . Construction Staking 40 . Construction Staking 41 . Lis 510,000.00 . \$7,000 51 . Remove Barbed Wire Fencing (as necessary) 51 . Remove Barbed Wire Fencing (as necessary) 52 . Brick Fencing 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) 54 . City of Missouri City Infrastructure Fee 55 . Turf Establishment by Hydromulch Seeding (Pump Station Site) 56 . Reinforced Sit Fence (Installed as Directed in Field) 57 . Inlet Protection Barrier 58 . Construction Entry/Exit 59 . NOI Submittal 50 . Sp0,000 51,000 52,000 54,000 55 . Subtotal: 52,550 52,550 53,200 54,000 54,000 54,000 54,000 55 . Subtotal: 52,550 52,550 53,200 54,000 54,000 54,000 54,000 54,000 54,000 55 . Subtotal: 52,550 52,500 53,200 54,000 54,000 54,000 55 . Subtotal: 52,550 52,500 53,200 54,000 54,000 54,000 55 . Subtotal: 52,550 52,500 53,200 54,000 54,000 54,000 54,000 55 . Subtotal: 52,550 52,550 52,500 52,500 53,500 53,500 54,000 54,000 54,000 54,000 54,000 54,000 54,000 54,000 54,000 54,000 54,000 54,000 54,000 54,00	37		850	SY	\$3.00	\$2,550.0
39   7" Concrete Pawement		Total Vestina				\$4,500.0
1   1   1   1   1   1   1   1   1   1	39	7" Concrete Pavement	800	SY		\$28,000.0
42   Paving Markings	40	6" Curb	450	LF	\$4.00	\$1,800.0
43   Retaining Wall	41	Final Grading Pump Station Site	1	LS	\$5,000.00	\$5,000.0
44			1	LS	\$1,500.00	\$1,500.0
45   Radiator Pad						\$25,000.0
46						\$12,000.0
SECELLANEOUS ITEMS   1						\$1,500.0
Subtolal: \$98,650						\$1,000.0
## Clearing and Grubbing (Site and Access Road) ## Construction Staking ## Construction Staking ## Construction Staking ## Stable Stabl	47	Gas Meter Pad	1	EA		\$800.0
## Clearing and Grubbing (Site and Access Road) ## Construction Staking ## Construction Staking ## Construction Staking ## Stable Stabl	NICCELI A NII	SOLIC ITEMS				
S0			1	LS	\$5,000.00	\$5,000.00
Signature	49	Construction Staking	1	LS	\$10,000.00	\$10,000.00
S2	50	20-foot Wide Gate (Entry)	1	EA	\$7,000.00	\$7,000.0
S3	51 .	Remove Barbed Wire Fencing (as necessary)	1	LS	\$500.00	\$500.0
Minimum 2 Ton Single Phase 110V Electric Hoist (with 35-foot Wire Rope or Chain)  54 - City of Missouri City Infrastructure Fee 1 LS \$90,000.00 \$90,000 \$200	52	Brick Fencing	500	LF	\$165.00	\$82,500.0
Rope or Chain   State   Stat	53	Minimum 2 Ton Portable A Frame Gantry (Aluminium or Steel) with	1	LS	\$5,000.00	\$5,000.00
Section   Sect		_				
Subtotal: \$200,000	54 .		1	LS	\$90.000.00	\$90,000.0
S5						\$200,000.00
Section   Sect						
ST   Inlet Protection Barrier   3 EA   \$200.00   \$600			2	Acres	\$1,500.00	\$3,000.0
S8   Construction Entry/Exit	56	Reinforced Silt Fence (Installed as Directed in Field)	500	LF		\$1,000.0
1   LS   \$1,500.00   \$1,500.00						\$600.0
Subtotal: \$10,100						\$4,000.0
Section   Sect	59	NOI Submittal	1	LS		\$1,500.00
60 . Well Point System 1 LS \$20,000.00 \$20,000 61 . Additional Cost to Provide Modified Bedding for Box Storm Sewer 100 LF \$15.00 \$1,500 62 . Extra Cement Stabilized Sand 25 CY \$12.00 \$300 63 . Granular Material for Over Excavation of Trench 50 CY \$15.00 \$750 Subtotal: \$22,550 \$22,000.00 \$22,000.00 \$300 \$300 \$300 \$300 \$300 \$300 \$30	UDDI == :=	ITAL ITEMS				,,
61 . Additional Cost to Provide Modified Bedding for Box Storm Sewer 100 LF \$15.00 \$1,500  62 . Extra Cement Stabilized Sand 25 CY \$12.00 \$300  63 . Granular Material for Over Excavation of Trench 50 CY \$15.00 \$750  Subtotal: \$22,550  Construction Cost \$11,009,050  Geotech/Engineering/Testing (20%) \$2,201,810  Contingency \$1,321,086  Project Cost \$14,531,946  FBCLID 15 SHARE 33.04% \$4,801,550  FBCLID 19 SHARE 28.38% \$4,124,343  FCLID SHARE 22.70% \$3,299,474			1	LS	\$20,000.00	\$20,000.00
63 . Granular Material for Over Excavation of Trench  Construction Cost  Geotech/Engineering/Testing (20%)  Contingency Project Cost  FBCLID 15 SHARE FBCLID 19 SHARE FBCLID 19 SHARE FCLID SHARE FCLI						\$1,500.0
63 . Granular Material for Over Excavation of Trench  Construction Cost  Geotech/Engineering/Testing (20%)  Contingency Project Cost  FBCLID 15 SHARE FBCLID 19 SHARE FBCLID 19 SHARE FBCLID 19 SHARE FCLID SHARE	62	Extra Cement Stabilized Sand	25	CY	\$12.00	\$300.0
Construction Cost \$11,009,050  Geotech/Engineering/Testing (20%) \$2,201,810  Contingency \$1,321,086  Project Cost \$14,531,946  FBCLID 15 SHARE 33.04% \$4,801,550  FBCLID 19 SHARE 28.38% \$4,124,343  FCLID SHARE 22.70% \$3,299,474					\$15.00	\$750.00
Geotech/Engineering/Testing (20%)       \$2,201,810         Contingency       \$1,321,086         Project Cost       \$14,531,946         FBCLID 15 SHARE       33.04%       \$4,801,550         FBCLID 19 SHARE       28.38%       \$4,124,343         FCLID SHARE       22.70%       \$3,299,474					Subtotal:	\$22,550.00
Geotech/Engineering/Testing (20%)       \$2,201,810         Contingency       \$1,321,086         Project Cost       \$14,531,946         FBCLID 15 SHARE       33.04%       \$4,801,550         FBCLID 19 SHARE       28.38%       \$4,124,343         FCLID SHARE       22.70%       \$3,299,474		Construction Cost				\$11,009,050.0
Contingency \$1,321,086 Project Cost \$14,531,946  FBCLID 15 SHARE 33.04% \$4,801,550 FBCLID 19 SHARE 28.38% \$4,124,343 FCLID SHARE 22.70% \$3,299,474						\$2,201,810.0
Project Cost \$14,531,946  FBCLID 15 SHARE 33.04% \$4,801,550  FBCLID 19 SHARE 28.38% \$4,124,343  FCLID SHARE 22.70% \$3,299,474						
FBCLID 19 SHARE 28.38% \$4,124,343 FCLID SHARE 22.70% \$3,299,474		5 ,			-	\$1,521,086.0 \$14,531,946.0
FBCLID 19 SHARE 28.38% \$4,124,343 FCLID SHARE 22.70% \$3,299,474			22.0404			
FCLID SHARE 22.70% \$3,299,474						\$4,801,550.4 \$4,124,343.4
						\$3,299,474.7
DCMOD 113 3HAIL 11.00/0 51.720.114		FBCMUD 115 SHARE	11.88%			\$1,726,114.1

FBCLID 2 SHARE 3.99%

\$580,463.15