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PO 143882
Rec 375383



9/21/14

July 18, 2016

Richard Stolleis, PE
County Engineer
Fort Bend County Engineering
301 Jackson Street, Fourth Floor
Richmond, Texas 77469

Re: Joint Participation Summary
Construction of the Drainage Facilities & Paving and Appurtenances
To Serve Aliana West Bellfort Expansion
Fort Bend County Municipal Utility District No. 134B (the District)
City of Houston E.T.J., Fort Bend County, Texas
LJA Job No. 1968-1037 (11.0)

Dear Mr. Stolleis:

On June 14, 2016, we received five (5) bids at our office for the referenced project. The low bidder on the project was Harris Construction Company, LTD. with a Total Amount Bid of \$4,389,119.45.

With a 5% contingency, engineering and materials testing services, the total project cost is anticipated to be \$5,502,035.

As part of this project, the District pursued a storm sewer upgrade in lieu of construction of an existing conditions channel and dedication of the ultimate drainage right of way for the watershed. The total ineligible storm sewer cost is \$672,429.00. In addition, relocation of an existing waterline along Clouston Avenue for construction of a right turn lane was necessary and was determined to not be eligible for County participation. The total ineligible waterline relocation cost is \$3,472.00. The total cost of the ineligible storm sewer and waterline construction is anticipated to be \$847,284 including contingencies and engineering. As a result, the total eligible costs subject to Fort Bend County participation is \$4,654,751.

As detailed in the Joint Participation Agreement between Fort Bend County and the District, the District will be responsible the project share for Tracts H, J, and O and the storm sewer upgrade costs less a credit for funding the engineering design, geotechnical investigation and construction materials testing for the project. The District share of the project for these tracts and the storm sewer upgrade is \$1,738,057. The total anticipated credit for engineering design, geotechnical investigation and construction materials testing is estimated to be \$893,460. The District share of the project costs less the estimated credit is \$844,597.

Mr. Richard Stolleis, PE
July 18, 2016
Page 2 of 2

Fort Bend County is responsible for funding the pro-rata share of construction for Tracts A, C, D, E, F and G based on the Joint Participation Agreement. The County share of the project for these tracts is \$1,882,548. The County will also fund the pro-rata share of construction for Tracts B, I, K, L, M, and N which will be reimbursed by the District at a later date. The County share of the project for these tracts is \$1,881,430. The total county participation in the project will be \$3,763,978.

Please call me at 713.953.5064 if you have any questions regarding this summary.

Sincerely,



Jason M. Kelly, PE
Vice President

JMK/ew

Enclosure

Copy: Mr. Travis Stone, Aliana Development Company (w/ enclosure)
Mr. Tim Green, Coats Rose

Project Proration of West Belfort Boulevard Phase 2 (Binion Lane to Harlem Road)

	Length (ft)	Total Frontage %	Probable Cost Share
Tract A	1,346	10.78%	\$501,665
Tract B (FBCMUD 134B)	1,338	10.71%	\$498,683
Tract C	1,350	10.81%	\$503,156
Tract D	412	3.30%	\$153,556
Tract E	932	7.46%	\$347,364
Tract F	276	2.21%	\$102,867
Tract G	735	5.89%	\$273,940
Tract H (FBCMUD 134C)	700	5.60%	\$260,896
Tract I (FBCMUD 134B)	460	3.68%	\$171,446
Tract J (FBCMUD 134B)	867	6.94%	\$323,138
Tract K (FBCMUD 134B)	898	7.19%	\$334,692
Tract L (FBCMUD 134B)	1,025	8.21%	\$382,026
Tract M (FBCMUD 134C)	681	5.45%	\$253,814
Tract N (FBCMUD 134C)	646	5.17%	\$240,769
Tract O (FBCMUD 134C)	823	6.59%	\$306,739
Total	12,489	100.00%	\$4,654,751

**TOTAL ELIGIBLE CONSTRUCTION
COST INCLUDING ENGINEERING
AND CONTINGENCY***

\$4,654,751

*BASED ON A TOTAL COST OF \$5,502,035 INCLUDING CONTINGENCIES AND ENGINEERING. THE ELIGIBLE COSTS EXCLUDE THE STORM SEWER UPGRADE AND WATER RELOCATION COSTS OF \$847,284 THAT WILL BE FUNDED BY FBCMUD NO. 134B AND C.

**FBCMUD No. 134B FRONTAGE
SEGMENTS: B, I, J, K, L ****

\$1,709,985

** Segments I - L will be pre-financed by Aliana Development Company on behalf of FBCMUD 134B in accordance with the terms of the cost sharing agreement with Fort Bend County. Segment B is owned by Cheng Investments and thus will not be pre-financed by Aliana Development Company.

**FBCMUD No. 134C FRONTAGE
SEGMENTS: H, M, N, O *****

\$1,062,218

*** Segments H - O will be pre-financed by Aliana Development Company on behalf of FBCMUD 134C in accordance with the terms of the cost sharing agreement with Fort Bend County.

**FORT BEND COUNTY FRONTAGE
SEGMENTS:
A, C, D, E, F, G**

\$1,882,548

**FBCMUD No. 134B NON-ELIGIBLE
COST INCLUDING CONTINGENCY
AND ENGINEERING**

\$847,284

*** Non-Eligible Costs will be pre-financed by Aliana Development Company on behalf of FBCMUD 134B in accordance with the terms of the cost sharing agreement with Fort Bend County.

West Belfort Extension to Harlem Road

Summary Sheet

July 12, 2016

Total Bid

	Combined	Eligible	Ineligible
Paving Construction Costs (Phase I)	\$729,026	\$729,026	\$0.00
Paving Construction Costs (Phase 2&3)	<u>\$1,985,041</u>	<u>\$1,985,041</u>	<u>\$0.00</u>
Total Paving	\$2,714,067	\$2,714,067	\$0
Utility Construction Costs (All Phases)	\$1,635,893	\$959,992	\$675,901
Miscellaneous Construction Costs (All Phases)	<u>\$39,160</u>	<u>\$39,160</u>	<u>\$0.00</u>
Total Utilities	\$1,675,053	\$999,152	\$675,901
TOTAL LOW BID (HARRIS CONSTRUCTION)	\$ 4,389,119	\$ 3,713,218	\$ 675,901
TOTAL LOW BID W/ 5% CONTINGENCY	\$ 4,608,575	\$ 3,898,879	\$ 709,696
Engineering	\$ 723,938	\$ 612,455	\$ 111,483
Geotech Investigation & Materials Testing	\$ 169,522	\$ 143,417	\$ 26,105
Total Cost	\$ 5,502,035	\$ 4,654,751	\$ 847,284

BID TABULATION FOR:

BID OPENING DATE:
BID OPENING LOCATION:
TABULATION BY:
TABULATION DATE:
LJA JOB NO.

CONSTRUCTION OF THE DRAINAGE FACILITIES & PAVING AND APPURTENANCES TO SERVE ALIANA WEST BELFORT EXPANSION FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 1348 CITY OF HOUSTON E.T.J., FORT BEND COUNTY, TEXAS
 JUNE 14, 2016
 LJA ENGINEERING, INC.
 L. MARTINEZ
 JUNE 14, 2016
 1988-1037 (9.2)

ITEM DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	ELIGIBLE COSTS	INELIGIBLE COSTS
ALIANA WEST BELFORT EXPANSION STORM SEWER SYSTEM ITEMS						
1. 18" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	18	\$39.00	\$702.00		\$702.00
2. 24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	2,952	\$45.00	\$132,840.00	\$132,840.00	
3. 30" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	486	\$60.00	\$29,160.00	\$29,160.00	
4. 36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	119	\$85.00	\$10,115.00	\$10,115.00	
5. 42" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	2,233	\$100.00	\$223,300.00	\$223,300.00	
6. 48" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	375	\$118.00	\$44,250.00	\$44,250.00	
7. 54" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	70	\$155.00	\$10,850.00	\$10,850.00	
8. 60" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	LF	248	\$186.00	\$46,314.00	\$46,314.00	
9. 10'X5' RCB CULVERT, ASTM C-1433, INCLUDING ANY BENDS, COMPLETE IN PLACE	LF	403	\$450.00	\$181,350.00	\$181,350.00	
10. 10'X7' RCB CULVERT, ASTM C-1433, INCLUDING ANY BENDS, COMPLETE IN PLACE	LF	1,329	\$500.00	\$664,500.00	\$664,500.00	
11. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	8,234	\$1.00	\$8,234.00	\$8,234.00	
12. TYPE 'C' PRECAST OR CAST-IN-PLACE MANHOLE FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	16	\$2,000.00	\$32,000.00	\$32,000.00	
13. TYPE 'C' PRECAST OR CAST-IN-PLACE MANHOLE WITH 'E' INLET TOP FOR 42" STORM SEWERS AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,250.00	\$2,250.00	\$2,250.00	
14. TYPE 'C' PRECAST OR CAST-IN-PLACE MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	3	\$2,975.00	\$8,925.00	\$8,925.00	
15. TYPE 'C' PRECAST OR CAST-IN-PLACE MANHOLE WITH 'E' INLET TOP FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$4,200.00	\$4,200.00	\$4,200.00	
16. PRECAST OR CAST IN PLACE REINFORCED CONCRETE JUNCTION BOX MANHOLE FOR 48" STORM SEWERS AND LARGER, ALL DEPTHS & SIZES, INCLUDING FINAL RIM ADJUSTMENTS, COMPLETE IN PLACE	EA	2	\$17,500.00	\$35,000.00	\$35,000.00	
17. CONSTRUCT TYPE 'C' PRECAST OR CAST-IN-PLACE MANHOLE FOR 42" STORM SEWERS AND SMALLER ON EXISTING 24" RCP ALONG WEST ALIANA TRACE AS SHOWN ON SHEETS 34 & 35, ALL DEPTHS & SIZES, INCLUDING FINAL RIM ADJUSTMENTS, COMPLETE IN PLACE	EA	2	\$3,500.00	\$7,000.00	\$7,000.00	
18. PRECAST OR CAST IN PLACE REINFORCED CONCRETE BOX TOP MANHOLE FOR 48" STORM SEWER, ALL DEPTHS & SIZES, COMPLETE IN PLACE	EA	5	\$1,200.00	\$6,000.00	\$6,000.00	\$3,800.00
19. PRECAST OR CAST IN PLACE REINFORCED CONCRETE BOX TOP MANHOLE WITH 'E' INLET TOP FOR RCP STORM SEWER, ALL DEPTHS & SIZES, COMPLETE IN PLACE	EA	1	\$1,500.00	\$1,500.00	\$1,500.00	
20. ADJUST FINAL RIM OF EXISTING STORM MANHOLE (SEE SHT. 40) TO BE FLUSH WITH PROPOSED PAVEMENT, INCLUDES BLOCKOUT FOR PAVEMENT CONSTRUCTION, COMPLETE IN PLACE	EA	1	\$200.00	\$200.00	\$200.00	
21. ADJUST FINAL RIM OF EXISTING STORM MANHOLE (SEE SHT. 28) TO BE FLUSH WITH PROPOSED SIDEWALK, COMPLETE IN PLACE	EA	1	\$200.00	\$200.00	\$200.00	
22. REMOVE AND DISPOSE OF EXISTING E-INLET, COMPLETE IN PLACE	EA	3	\$350.00	\$1,050.00	\$1,050.00	
23. REMOVE AND DISPOSE OF EXISTING 24" RCP CULVERT STORM SEWER AS SHOWN ON SHEET 28, COMPLETE IN PLACE	LF	95	\$6.00	\$210.00	\$210.00	
24. REMOVE AND DISPOSE TYPE 'E' INLET TOP AND REPLACE WITH TYPE 'C' MANHOLE TOP, AS SHOWN ON PLAN SHEET 28, COMPLETE IN PLACE	EA	1	\$875.00	\$875.00	\$875.00	
25. REMOVE AND DISPOSE OF EXISTING 24" RCP & HDPE ALONG WEST ALIANA TRACE AS SHOWN ON SHEETS 34 & 35, COMPLETE IN PLACE	LF	124	\$6.00	\$744.00	\$744.00	

BID TABULATION FOR:

BID OPENING DATE:
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TO BE OPENED BY:
TABULATION DATE:
L.A. JOB NO.

CONSTRUCTION OF THE DRAINAGE FACILITIES & PAVING AND APPURTENANCES TO SERVE ALABAMA WEST BELLFORT EXPANSION FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 134B CITY OF HOUSTON (E.T.J., FORT BEND COUNTY, TEXAS JUNE 14, 2016
LJA ENGINEERING, INC.
 JUNE 14, 2016
 1689-1037 (9.2)

1) HARRIS CONSTRUCTION COMPANY, LTD.

ITEM DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	ELIGIBLE COSTS	INELIGIBLE COSTS
WEST BELLFORT EXPANSION WATER LINE ITEMS						
1. 12" PVC WATER PIPE, AWWA C-900, DR 18, CLASS 235, INCLUDES ALL FITTINGS AND VALVES, AS SHOWN ON SHEET 21, COMPLETE IN PLACE	LF	46	\$49.00	\$2,254.00		\$2,254.00
2. CUT, REMOVE AND DISPOSE OF EXISTING 12" PVC WATER PIPE, FITTINGS, AND VALVES AS SHOWN ON SHEET 21 & 22, COMPLETE IN PLACE	LF	147	\$12.00	\$1,764.00	\$1,092.00	\$672.00
3. 12" RESTRAINED JOINT PVC WATER PIPE, AWWA, C-900, DR 14, ALL DEPTHS, INCLUDES ALL FITTINGS, VALVES AND ALL RESTRAINED JOINTS FOR PIPE JOINTS AS SHOWN ON SHEET 22, COMPLETE IN PLACE	LF	91	\$80.00	\$8,160.00	\$8,160.00	
4. TRENCH SAFETY, ALL DEPTHS, COMPLETE IN PLACE	LF	137	\$1.00	\$137.00	\$91.00	\$46.00
5. CONNECT PROPOSED WATER LINE TO EXISTING WATER LINE, INCLUDES ALL NECESSARY ADAPTERS AND CONNECTORS, AND DISINFECTION OF EXISTING WATER LINE AS APPLICABLE, COMPLETE IN PLACE	EA	4	\$250.00	\$1,000.00	\$500.00	\$500.00
6. ADJUST EXISTING GATE VALVES AND EXISTING HYDRANTS TO FINISH GRADE AS NECESSARY FOR ROADWAY AND SIDEWALK CONSTRUCTION, COMPLETE IN PLACE	LS	1	\$15,000.00	\$15,000.00	\$15,000.00	
7. REMOVAL AND REPLACEMENT OF FLUSHING VALVE UNIT, ALL DEPTHS, INCLUDES APPROPRIATE TEE, 6" GATE VALVE & BOX, TRENCH SAFETY, LEAD AND FLUSHING VALVE, (TO BE USED AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	5	\$7,500.00	\$37,500.00	\$37,500.00	
SUBTOTAL WEST BELLFORT EXPANSION WATER LINE ITEMS						
F.B.C. M.I.D. NO. 134B MISCELLANEOUS ITEMS				\$65,645.00	\$62,373.00	\$3,472.00
1. EXTRA REINFORCED FILTER FABRIC FENCE (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$100.00	
2. EXTRA FILTER FABRIC FENCE (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$1.00	\$100.00	\$100.00	
3. EXTRA BURGLAR BAG BARRIER ON INLET, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$10.00	\$10.00	\$10.00	
4. EXTRA SILT FENCE INLET PROTECTION BARRIER, COMPLETE IN PLACE	EA	1	\$50.00	\$50.00	\$50.00	
5. EXTRA HYDRO-MULCH SEEDING, COMPLETE IN PLACE	AC	1	\$1,000.00	\$1,000.00	\$1,000.00	
6. EXTRA CEMENT STABILIZED SAND BACKFILL (1.1 SACKS PER TON), (TO BE USED ONLY AT THE DIRECTION OF ENGINEER) COMPLETE IN PLACE	CY	10	\$15.00	\$150.00	\$150.00	
7. EXTRA COST OF SANITARY SEWER WET SAND CONSTRUCTION AS PER CITY OF HOUSTON DRAWING NO. 02317-01, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	500	\$5.00	\$2,500.00	\$2,500.00	
8. EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION AS PER CITY OF HOUSTON DRAWING NO. 02317-02, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	100	\$5.00	\$500.00	\$500.00	
9. EXTRA COST OF WET SAND CONSTRUCTION UNDER MANHOLE AS PER CITY OF HOUSTON DRAWING NO. 02322-05 (EFFECTIVE DATE ON OCTOBER 1, 2002 OR LATEST DETAIL), ALL DEPTHS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$50.00	\$50.00	\$50.00	
10. DEWATERING FOR UTILITY LINES, ALL LINES SIZES AND DEPTHS, (NO SEPARATE PAY FOR DOUBLE ROW OR WELL POINTS) (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	1,000	\$20.00	\$20,000.00	\$20,000.00	
11. EXTRA BROADCAST SEEDING, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	1	\$450.00	\$450.00	\$450.00	
12. ADJUST EXISTING MANHOLE RIM ELEVATION AS REQUIRED TO BE FLUSH WITH SURFACE (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	EA	1	\$150.00	\$150.00	\$150.00	
13. STABILIZED CONSTRUCTION EXIT, INCLUDING INSTALLATION, MAINTENANCE AND REMOVAL, COMPLETE IN PLACE	EA	2	\$1,800.00	\$3,600.00	\$3,600.00	
14. UTILITY SPILLS (ESTIMATED QUANTITY OF 16,000 CUBIC YARDS), INCLUDES OFF-SITE MATERIAL, STRIPING, STOCK PILING OF STRIPPINGS ON-SITE, REMOVAL OF STRIPPINGS FROM SITE, AND REPLICATION TO 95% STANDARD PROCTOR DENSITY, AND REPLICATION OF STRIPPINGS IN ACCORDANCE WITH THE CONSTRUCTION PLANS, COMPLETE IN PLACE	LS	1	\$10,000.00	\$10,000.00	\$10,000.00	
15. STORMWATER POLLUTION INSPECTION REPORTS CONDUCTED ON A WEEKLY BASIS ACCORDING TO TCEQ PERMIT, COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$500.00	
SUBTOTAL F.B.C. M.I.D. NO. 134B MISCELLANEOUS ITEMS				\$39,180.00	\$39,160.00	\$20.00

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 TABULATION DATE:
 LJA JOB NO.

CONSTRUCTION OF THE DRAINAGE FACILITIES & PAVING AND APPURTENANCES
 TO SERVE ALABAMA WEST BELLFORT EXPANSION
 FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 134B
 CITY OF HOUSTON (E.T.J.), FORT BEND COUNTY, TEXAS
 JUNE 14, 2016
 LJA ENGINEERING, INC.
 L. MARTINEZ
 JUNE 14, 2016
 1888-1037 (9.2)

1) HARRIS CONSTRUCTION COMPANY, LTD.

ITEM DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	ELIGIBLE COSTS	INELIGIBLE COSTS
WEST BELLFORT EXPANSION PHASE 1 PAVING IMPROVEMENT ITEMS						
1. ROADWAY EXCAVATION FOR WEST BELLFORT BOULEVARD, COMPLETE IN PLACE	CY	7,071	\$115	\$813,65	\$8,131.65	
2. ROADWAY EMBANKMENT FOR WEST BELLFORT BOULEVARD, INCLUDES REMOVAL OF UNSUITABLE MATERIAL BEFORE PLACING FILL, STRIPPINGS, PROOF ROLLING, PLACEMENT AND COMPACTION TO 85% STANDARD PROCTOR DENSITY, REAPPLICATION OF STRIPPINGS, AND FINAL LOT GRADING, COMPLETE IN PLACE	CY	770	\$115	\$885.50	\$885.50	
3. HAUL OFF ROAD (NO GREATER THAN 0.50 MILES), COMPACTION, FINAL GRADING, STRIPPING, STOCKPILE, STRIPPINGS TO FILL AND EXISTING DITCHES IN FILL AREAS AND REAPPLYING STRIPPINGS TO FILL AREA, AS SHOWN ON CONSTRUCTION PLANS, COMPLETE IN PLACE	CY	6,301	\$175	\$1,092.75	\$11,028.75	
4. 8" REINFORCED CONCRETE PAVEMENT, MIN. 3,500 PSI COMPRESSIVE STRENGTH AND 5.5 SACKS CEMENT PER CUBIC YARD OF MIX, COMPLETE IN PLACE	SY	8,218	\$39.25	\$322,668.50	\$322,595.50	
5. 8" LIME STABILIZED SUB-GRADE (MANIPULATION), COMPLETE IN PLACE	SY	9,084	\$1.50	\$13,626.00	\$13,626.00	
6. HYDRATED LIME FOR 8" STABILIZED SUB-GRADE (4ALBISY AND 7% LIME BY WEIGHT) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY GEOTECHNICAL ENGINEER, COMPLETE IN PLACE	TON	180	\$170.00	\$32,300.00	\$32,300.00	
7. 6" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	LF	3,765	\$2.55	\$9,600.75	\$9,600.75	
8. FLY ASH FOR STABILIZED SUB-GRADE (4% FLY ASH BY WEIGHT) AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY ENGINEER, COMPLETE IN PLACE	TON	10	\$80.00	\$800.00	\$800.00	
9. REMOVAL OF EXISTING PERMANENT TRAFFIC CONTROL DEVICES WITHIN PHASE 1 WORK AREA, INCLUDING ALL TRAFFIC BUTTONS, PAVEMENT STRIPING AS SHOWN IN PLANS, STREET SIGNS AND TRAFFIC SIGNS, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$1,000.00	
10. TEMPORARY TRAFFIC CONTROL FOR PHASE 1 CONSTRUCTION (INCLUDING FLAG MEN, STAFF, CONE, BARRICADES, BARRIERS, TRAFFIC BUTTONS, PAVEMENT STRIPING, SIGNS AND TRAFFIC SIGNS AS SHOWN IN PLANS) FOR ENTIRE DURATION OF PHASE AS SHOWN ON TRAFFIC CONTROL PLAN SHEET 16, COMPLETE IN PLACE	LS	1	\$10,000.00	\$10,000.00	\$10,000.00	
11. TEMPORARY MODIFICATION TO EXISTING TRAFFIC SIGNAL AT WEST BELLFORT AND HARLEM ROAD AS SHOWN ON SHEET 56, ITEM NO. 681 9001, COMPLETE IN PLACE	LS	1	\$15,000.00	\$15,000.00	\$15,000.00	
12. PERMANENT TRAFFIC CONTROL DEVICES FOR PHASE 1, INCLUDING ALL TRAFFIC BUTTONS, PAVEMENT, NOSE AND MEDIAN STRIPING AND STREET AND TRAFFIC SIGNS AS SHOWN IN PLANS, COMPLETE IN PLACE	LS	1	\$18,750.00	\$18,750.00	\$18,750.00	
13. REMOVE AND DISPOSE OF EXISTING 6" CONCRETE CURB FOR PLACEMENT OF TEMPORARY ASPHALT ROAD AT THE INTERSECTION OF WEST BELLFORT AND HARLEM ROAD, COMPLETE IN PLACE	LF	338	\$2.50	\$845.00	\$845.00	
14. REMOVE AND DISPOSE OF EXISTING ASPHALT ROAD WITHIN PHASE 1 WORKING AREA AS SHOWN ON SHEET 16, COMPLETE IN PLACE	SY	5,685	\$3.00	\$17,055.00	\$17,055.00	
15. INSTALLATION AND REMOVAL OF TEMPORARY ASPHALT PAVEMENT PER TRAFFIC CONTROL PLAN SHEET 16, INCLUDES 2" ASPHALT SURFACE COURSE, 6" CEMENT STABILIZED SUBGRADE AND 8" FLEXIBLE BASE, COMPLETE IN PLACE	SY	667	\$40.00	\$26,680.00	\$26,680.00	
16. BLUE DOUBLE REFLECTORIZED BUTTONS LOCATED ACROSS FROM EXISTING FIRE HYDRANT, COMPLETE IN PLACE	EA	1	\$11.00	\$11.00	\$11.00	
17. WHEEL CHAIR RAMPS PER CONSTRUCTION PLANS, COMPLETE IN PLACE	EA	12	\$1,050.00	\$12,600.00	\$12,600.00	
18. REMOVE AND DISPOSE OF TEMPORARY ASPHALT PAVEMENT CONNECTION TO EXISTING CLOUSTON AVENUE, COMPLETE IN PLACE	SY	739	\$3.00	\$2,217.00	\$2,217.00	
19. CONNECTION TO EXISTING CONCRETE PAVEMENT AT CLOUSTON AVENUE, INCLUDING DOWELING INTO EXISTING CONCRETE AND UNDERCUT OF EXISTING PAVEMENT, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$1,000.00	
20. 2' SAWCUT 5' FULL DEPTH (INCLUDES REMOVAL AND DISPOSAL OF EXISTING PAVEMENT), COMPLETE IN PLACE	SY	29	\$80.00	\$2,320.00	\$2,320.00	
21. CONNECTION TO EXISTING ASPHALT PAVEMENT AT HARLEM ROAD INCLUDING 2" ASPHALT SURFACE COURSE, 8" LIME STABILIZED SUBGRADE AND 8" FLEXIBLE BASE, COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00	\$5,000.00	
22. PROPOSED PAVING HEADER, COMPLETE IN PLACE	LF	257	\$10.00	\$2,570.00	\$2,570.00	

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CONSTRUCTION OF THE DRAINAGE FACILITIES & PAVING AND APPURTENANCES TO SERVE ALIANA WEST BELLFORT EXPANSION FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 134B CITY OF HOUSTON, E.T.J., FORT BEND COUNTY, TEXAS
 JUNE 14, 2016
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 L. MARTINEZ
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 1868-1037 (9.2)

1) HARRIS CONSTRUCTION COMPANY, LTD.

ITEM DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	ELIGIBLE COSTS	INELIGIBLE COSTS
14. PERMANENT TRAFFIC CONTROL DEVICES FOR PHASE 2&3, (INCLUDING ALL TRAFFIC BUTTONS, PAVEMENT, NOSE AND MEDIAN STRIPING AS SHOWN IN PLANS, STREET SIGNS AND TRAFFIC SIGNS), COMPLETE IN PLACE	LS	1	\$37,500.00	\$37,500.00	\$37,500.00	
15. INSTALLATION AND REMOVAL OF TEMPORARY ASPHALT PAVEMENT PER TRAFFIC CONTROL PLANS SHEETS 17 & 18, INCLUDING 2" ASPHALT SURFACE COURSE, 8" CEMENT STABILIZED SUBGRADE AND 8" FLEXIBLE BASE, COMPLETE IN PLACE	SY	660	\$40.00	\$26,400.00	\$26,400.00	
16. REMOVE AND DISPOSE OF EXISTING WHEEL CHAIR RAMPS AT THE INTERSECTION OF WEST BELLFORT AND WESTMOOR DRIVE, COMPLETE IN PLACE	LS	1	\$1,500.00	\$1,500.00	\$1,500.00	
17. WHEEL CHAIR RAMPS PER CONSTRUCTION PLANS, COMPLETE IN PLACE	EA	16	\$1,050.00	\$18,800.00	\$18,800.00	
18. REMOVE AND DISPOSE OF EXISTING TYPE III BARRICADE, COMPLETE IN PLACE	EA	4	\$175.00	\$700.00	\$700.00	
19. INSTALL PROPOSED TYPE III BARRICADE, COMPLETE IN PLACE	EA	3	\$950.00	\$2,850.00	\$2,850.00	
20. CONNECTION TO EXISTING ASPHALT PAVEMENT AT OLD MADDEN ROAD, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$1,000.00	
21. CONNECTION TO EXISTING CONCRETE PAVEMENT WESTMOOR DRIVE INTERSECTION, AS SHOWN ON PAGE 30, INCLUDING DOWELING INTO EXISTING CONCRETE, AND UNDERCUT OF EXISTING PAVEMENT, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$1,000.00	
22. CONNECTION TO EXISTING CONCRETE PAVEMENT ON WEST BELLFORT, AS SHOWN ON SHEET 33, INCLUDING DOWELING INTO EXISTING CONCRETE AND UNDERCUT OF EXISTING PAVEMENT, COMPLETE IN PLACE	LS	1	\$1,000.00	\$1,000.00	\$1,000.00	
23. 2" SAWCUT FULL DEPTH, (INCLUDES REMOVAL AND DISPOSAL OF EXISTING PAVEMENT & CURB), COMPLETE IN PLACE	SY	151	\$95.00	\$12,445.00	\$12,446.00	
24. ASPHALT PAVEMENT CONNECTION TO EXISTING OLD MADDEN ROAD INCLUDING 2" ASPHALT SURFACE COURSE, 8" LIME STABILIZED SUBGRADE AND 8" FLEXIBLE BASE, COMPLETE IN PLACE	SY	1,360	\$44.25	\$60,180.00	\$60,180.00	
25. REMOVE AND DISPOSE OF REMAINING EXISTING ASPHALT, AS SHOWN IN THE CONSTRUCTION PLANS (SHEETS 17&18), COMPLETE IN PLACE	SY	14,173	\$2.50	\$35,432.50	\$35,432.50	
26. EXTRA SIGN, COMPLETE IN PLACE	EA	1	\$500.00	\$500.00	\$500.00	
27. PROPOSED PAVING HEADER, COMPLETE IN PLACE	LF	87	\$970.00	\$870.00	\$870.00	
28. CLEARING AND GRUBBING AS NECESSARY LOCATED WITHIN THE USA INFRASTRUCTURE TRACT RIGHT-OF-WAY DEDICATION AREA, INCLUDES REMOVAL AND OFFSITE DISPOSAL, COMPLETE IN PLACE	AC	1.22	\$9,150.00	\$9,150.00	\$9,150.00	
28. 8" PVC SLEEVES, SCHEDULE 40, PER DETAIL, COMPLETE IN PLACE	LF	1,303	\$12.00	\$15,636.00	\$15,636.00	
30. 8" CEMENT STABILIZED SAND SURGRADE, (1.1 BAGS PER TON), AS SHOWN IN PLANS FOR PHASE 2B PAVEMENT (SEE SHEET 17), COMPLETE IN PLACE	SY	690	\$8.00	\$5,520.00	\$5,520.00	
31. MAINTAIN ACCESS TO EXISTING CEMETERY, INCLUDES THE REMOVAL AND RESTORATION OF CEMETERY ACCESS ROAD TO EQUAL OR BETTER CONDITIONS, COMPLETE IN PLACE	LS	1	\$2,500.00	\$2,500.00	\$2,500.00	
32. CONCRETE MONOLITHIC CURB FOR ASPHALT SECTION, COMPLETE IN PLACE	LF	301	\$20.00	\$6,020.00	\$6,020.00	
SUBTOTAL WEST BELLFORT EXPANSION PHASE 2 & 3 PAVING IMPROVEMENT ITEMS				\$1,985,041.05	\$1,985,041.05	\$0.00
BID SUMMARY						
SUBTOTAL ALIANA WEST BELLFORT EXPANSION STORM SEWER SYSTEM ITEMS			\$1,570,047.50	\$887,618.50	\$887,618.50	\$672,429.00
SUBTOTAL WEST BELLFORT EXPANSION WATER LINE ITEMS			\$65,345.00	\$92,373.00	\$92,373.00	\$3,472.00
SUBTOTAL F.B.C. M.U.D. NO. 134B MISCELLANEOUS ITEMS			\$39,160.00	\$59,160.00	\$59,160.00	\$0.00
SUBTOTAL WEST BELLFORT EXPANSION PHASE 1 PAVING IMPROVEMENT ITEMS			\$729,025.90	\$729,025.90	\$729,025.90	\$0.00
SUBTOTAL WEST BELLFORT EXPANSION PHASE 2 & 3 PAVING IMPROVEMENT ITEMS			\$1,985,041.05	\$1,985,041.05	\$1,985,041.05	\$0.00
TOTAL AMOUNT BID			\$4,389,119.45	\$3,713,218.45	\$675,901.00	\$1,985,041.05
1. 5% Contingency Based on Relative Construction Costs			\$219,465.97	\$165,690.92	\$165,690.92	\$33,795.05
2. Engineering/Geotech Fees Based on Relative Construction Costs			\$93,460.00	\$755,871.92	\$755,871.92	\$137,598.06
SUBTOTAL AMOUNT PROXATED ENG/GEOTECH/CONTINGENCIES			\$1,112,915.97	\$941,532.84	\$941,532.84	\$171,383.13
TOTAL COSTS			\$5,502,035.42	\$4,654,751.29	\$4,654,751.29	\$847,284.13