

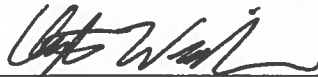
**BID TABULATION FOR:**

**BID OPENING DATE:**  
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**LJA JOB NO.**

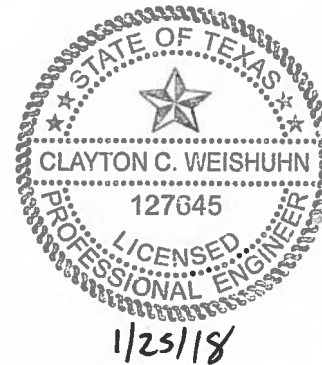
CONSTRUCTION OF THE HARRIS COUNTY FLOOD CONTROL DRAINAGE CHANNEL U-101-11-00 PHASE 2  
TO SERVE HARRIS COUNTY/ CITY OF HOUSTON ETJ  
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495  
HARRIS COUNTY, TEXAS  
JANUARY 24, 2018  
LJA ENGINEERING, INC.  
A. ZUMAYA  
JANUARY 24, 2018  
1750-3021 (9.2)

BIDDER'S NAME	TOTAL BID AMOUNT	TOTAL AMOUNT BID INCL. ALTERNATE NO. 1	TOTAL AMOUNT BID INCL. ALTERNATE NO. 2	TOTAL AMOUNT BID INCL. ALTERNATE NO. 3
1) G.W. PHILLIPS CONCRETE CONST., INC.	\$921,906.00	\$2,054,791.00	\$1,443,982.00	\$1,041,688.00 *
2) SONORA SWQM CO. DBA SONORA CONST.	\$936,916.30	\$1,717,735.50	\$1,059,509.30	\$1,143,700.30
3) PASKEY INCORPORATED	\$1,078,404.71	\$1,905,933.63	\$1,366,397.71	\$1,268,634.65
4) C.E. BARKER, LTD	\$1,124,687.81	\$2,330,077.45	\$1,319,007.26	\$1,273,732.06
5) EARTH BUILDERS, LP	\$1,146,682.00	\$1,774,126.00	\$1,326,095.00	\$1,305,174.00 *
6) TRIPLE B SERVICES, LLP	\$1,949,358.10	\$1,924,957.50	\$2,155,113.10	\$2,245,922.10

CALENDAR DAYS - 50/60



I, Clayton Weishuhn, P.E., hereby certify these bid tabulations to be true and correct.



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ITEM DESCRIPTION	UNIT	QTY	1) G.W. PHILLIPS CONCRETE CONST., INC.		2) SONORA SWQM CO. DBA SONORA CONST.		3) PASKEY INCORPORATED		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
<b>DRAINAGE CHANNEL BID ITEMS</b>									
1. EXCAVATION FOR DRAINAGE CHANNEL, INCLUDES DEMUCKING, STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	69,716	\$1.50	\$104,574.00	\$1.50	\$104,574.00	\$2.00	\$139,432.00	
2. HAUL, PLACEMENT, GRADING AND COMPACTION (95% STANDARD PROCTOR DENSITY IN MAXIMUM 8' LIFTS) OF EXCAVATED DRAINAGE CHANNEL MATERIAL FOR KATY CROSSING FILL AREA PER GRADING PLAN. INCLUDES FILL AREA DRAINAGE SWALES, STRIPPING OF FILL AREAS, STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	69,716	\$2.25	\$156,861.00	\$2.30	\$160,346.80	\$1.13	\$78,779.08	
3. BACKSLOPE SWALE, INCLUDES DRAINAGE CHANNEL, EMBANKMENT, STRIPPINGS, RE-APPLICATION OF STRIPPINGS, AND COMPACTION TO 95% PROCTOR DENSITY, COMPLETE IN PLACE	LF	5,705	\$6.00	\$34,230.00	\$3.00	\$17,115.00	\$3.09	\$17,628.45	
4. BACKSLOPE INTERCEPTOR STRUCTURE, INCLUDES 24' CORRUGATED GALVANIZED STEEL PIPE AND TRENCH SAFETY, COMPLETE IN PLACE	EA	17	\$5,500.00	\$93,500.00	\$6,250.00	\$106,250.00	\$5,151.00	\$87,567.00	
5. 10'X6' RCB, STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, FOR STREET CROSSING, OPEN CUT, COMPLETE IN PLACE	LF	213	\$780.00	\$166,140.00	\$1,030.00	\$219,390.00	\$553.00	\$117,789.00	
6. CONCRETE HEADWALL STRUCTURE PER TXDOT DETAIL, COMPLETE IN PLACE	EA	2	\$28,000.00	\$56,000.00	\$27,200.00	\$54,400.00	\$29,780.00	\$59,560.00	
7. 42" CORRUGATED GALVANIZED STEEL PIPE STORM SEWER, 2-2/3' X 1/2" CORRUGATIONS, 16 GAUGE, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	238	\$125.00	\$29,750.00	\$105.00	\$24,990.00	\$78.10	\$18,587.80	
8. REMOVE AND DISPOSE OF EXISTING 8" BRICK WALL PLUG AND CONNECT PROPOSED STORM SEWER, COMPLETE IN PLACE	EA	2	\$300.00	\$600.00	\$1,200.00	\$2,400.00	\$300.00	\$600.00	
9. 18" RIP RAP, COMPLETE IN PLACE	SY	93	\$68.00	\$6,324.00	\$60.00	\$5,580.00	\$88.00	\$8,184.00	
10. CONCRETE OVERFLOW SWALE (PER HCFCO DETAIL ON SHEET 11 OF PLANS), COMPLETE IN PLACE	LS	1	\$28,000.00	\$28,000.00	\$27,800.00	\$27,800.00	\$41,311.00	\$41,311.00	
11. 6" CONCRETE PAVING, EXCLUDING THE HEADWALLS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	SY	10	\$210.00	\$2,100.00	\$130.00	\$1,300.00	\$111.00	\$1,110.00	
12. COFFER DAM FOR STORM SEWER IN EXISTING KATY MANOR DETENTION POND. INCLUDES BYPASS PUMPING, TO FACILITATE THE CONSTRUCTION OF THE DUAL 42" CGMP OUTFALL, INCLUDES REMOVAL UPON COMPLETION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$15,000.00	\$15,000.00	\$6,040.00	\$6,040.00	\$3,981.00	\$3,981.00	
13. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	488	\$2.00	\$976.00	\$1.00	\$488.00	\$1.10	\$536.80	
14. 24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, FOR CULVERT CROSSING, COMPLETE IN PLACE	LF	37	\$90.00	\$3,330.00	\$75.00	\$2,775.00	\$75.00	\$2,775.00	
15. 6:1 SAFETY END TREATMENT WITHOUT PIPE RUNNERS FOR 24" CULVERT, COMPLETE IN PLACE	EA	2	\$1,800.00	\$3,600.00	\$940.00	\$1,880.00	\$2,750.00	\$5,500.00	
16. ASPHALT DRIVEWAY WITH 1-1/2" HMAC SURFACE, 6" (MIN) FLEXIBLE BASE, 8" LIME STABILIZED SUBGRADE AND CONNECTION TO EXISTING PAVEMENT, COMPLETE IN PLACE	SY	123	\$36.00	\$4,428.00	\$180.00	\$22,140.00	\$69.00	\$8,487.00	
17. 3" HOT MIX ASPHALTIC CONCRETE, COMPLETE IN PLACE	SY	53	\$78.00	\$4,134.00	\$90.00	\$4,770.00	\$152.64	\$8,089.92	
18. 10" BLACK BASE, COMPLETE IN PLACE	SY	53	\$112.00	\$5,936.00	\$120.00	\$6,360.00	\$161.14	\$8,540.42	
19. 6" LIME STABILIZED SUBGRADE INCLUDES HYDRATED LIME (7% LIME CONTENT), (AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY THE ENGINEER), COMPLETE IN PLACE	SY	53	\$4.00	\$212.00	\$60.00	\$3,180.00	\$223.64	\$11,852.92	

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ITEM	DESCRIPTION	UNIT	QTY	1) G.W. PHILLIPS CONCRETE CONST., INC.		2) SONORA SWQM CO. DBA SONORA CONST.		3) PASKEY INCORPORATED	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
20.	REMOVE AND DISPOSE OF EXISTING KATY HOCKLEY CUT OFF ROAD AS SHOWN IN PLANS, COMPLETE IN PLACE	LS	1	\$6,000.00	\$6,000.00	\$2,420.00	\$2,420.00	\$3,790.00	\$3,790.00
<b>SUBTOTAL DRAINAGE CHANNEL BID ITEMS</b>					<b>\$721,695.00</b>		<b>\$774,198.80</b>		<b>\$624,101.39</b>
<b>MISCELLANEOUS BID ITEMS</b>									
1.	REMOVE AND DISPOSE OF EXISTING BARB WIRE FENCE AND ANY BRUSH ALONG EXISTING FENCE LINE, COMPLETE IN PLACE	LF	3,133	\$1.00	\$3,133.00	\$2.00	\$6,266.00	\$1.25	\$3,916.25
2.	5 STRAND, 4 POINT GAUCHO BARB WIRE FENCE, T-POST SPACED EVERY 10', 4' CREOSOTE POST EVERY 50', (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	2,050	\$4.00	\$8,200.00	\$3.00	\$6,150.00	\$5.13	\$10,516.50
3.	HYDROMULCH SEEDING OF CHANNEL SIDE SLOPES AND BACKSLOPE SWALES PER HCFCD SPECIFICATIONS, INCLUDES WATERING, COMPLETE IN PLACE	AC	10	\$1,400.00	\$14,000.00	\$1,800.00	\$18,000.00	\$2,111.00	\$21,110.00
4.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF OUTFALLS AND CROSSINGS, ALL LINE SIZES AND DEPTHS, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$22.00	\$2,200.00	\$22.00	\$2,200.00	\$25.00	\$2,500.00
5.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF DRAINAGE CHANNEL, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	5	\$5,000.00	\$25,000.00	\$3,000.00	\$15,000.00	\$5,000.00	\$25,000.00
6.	STORMWATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROL AND ALL OTHER ITEMS NOT SPECIFICALLY LISTED, COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00	\$870.00	\$870.00	\$1,973.00	\$1,973.00
7.	REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING) (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$1.50	\$750.00	\$2.00	\$1,000.00	\$1.27	\$635.00
8.	CONSTRUCT, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION ACCESS, COMPLETE IN PLACE	EA	2	\$3,000.00	\$6,000.00	\$2,000.00	\$4,000.00	\$3,710.00	\$7,420.00
9.	CONSTRUCT, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$1,000.00	\$1,000.00	\$300.00	\$300.00	\$979.00	\$979.00
10.	INLET PROTECTION SODDING, PER HCFCD STORM WATER POLLUTION PREVENTION PLAN DETAIL SHEET 15, INCLUDES ANY NECESSARY SODDING IN BACKSLOPE SWALES COMPLETE IN PLACE	EA	17	\$200.00	\$3,400.00	\$150.00	\$2,550.00	\$199.00	\$3,383.00
11.	24' SOD ROLL FOR DRAINAGE CHANNEL SIDE SLOPE SODDING PER HCFCD STORM WATER POLLUTION PREVENTION PLAN DETAIL SHEET 15, COMPLETE IN PLACE	LF	10,889	\$2.00	\$21,778.00	\$3.50	\$38,111.50	\$2.13	\$23,193.57
12.	TYPE 2 ROCK FILTER DAM PER HCFCD STORM WATER POLLUTION PREVENTION PLAN DETAIL SHEET 15, COMPLETE IN PLACE	EA	6	\$4,500.00	\$27,000.00	\$480.00	\$2,880.00	\$2,011.00	\$12,066.00
13.	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$18.00	\$1,800.00	\$25.00	\$2,500.00	\$18.00	\$1,800.00
14.	ADDITIONAL COST TO SCARIFY FILL AREAS TO RECEIVE FILL TO A DEPTH OF 12 INCHES TO AERATE THE SUBGRADE SOILS AND RECOMPACT TO 95% STANDARD PROCTOR DENSITY, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	14	\$800.00	\$11,200.00	\$120.00	\$1,680.00	\$9,000.00	\$126,000.00

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ITEM	DESCRIPTION	UNIT	QTY	1) G.W. PHILLIPS CONCRETE CONST., INC.		2) SONORA SWQM CO. DBA SONORA CONST.		3) PASKEY INCORPORATED	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
15.	ADDITIONAL COST TO SCARIFY FILL AREAS TO RECEIVE FILL TO A DEPTH OF 24 INCHES TO AERATE THE SUBGRADE SOILS AND RECOMPACT TO 95% STANDARD PROCTOR DENSITY, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	8	\$2,000.00	\$16,000.00	\$240.00	\$1,920.00	\$13,500.00	\$108,000.00
16.	SURFACE PUMPING (SURFACE WATER CONTROL) INCLUDES PUMPING REQUIRED TO CONSTRUCT CHANNEL, UTILITIES, AND OUTFALLS, MINIMUM 1,000 GPM PUMP, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	HOURS	150	\$10.00	\$1,500.00	\$25.00	\$3,750.00	\$55.00	\$8,250.00
17.	OVER EXCAVATION OF UNSUITABLE MATERIAL PRIOR TO FILL PLACEMENT WITHIN FILL AREAS, INCLUDES EXCAVATION, DEMUCKING, STOCKPILING, AND SPREADING OF UNSUITABLE MATERIAL AND INCLUDES REPLACEMENT OF MATERIAL BY BLENDING WITH EXCAVATED MATERIAL FROM CHANNEL OR AS FINAL LIFT UPON COMPLETION OF FILL, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	20,000	\$2.00	\$40,000.00	\$2.00	\$40,000.00	\$4.11	\$82,200.00
18.	COST ASSOCIATED WITH RELOCATION OF EXISTING CONSOLIDATED COMMUNICATIONS FIBER OPTIC LINE FINAL PAYMENT TO BE ADJUSTED (INCREASED OR DECREASED) BASED ON TOTAL INVOICE COST BY CONSOLIDATED COMMUNICATIONS PLUS 10% MARKUP, COMPLETE IN PLACE	LS	1	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$10,111.00	\$10,111.00
19.	TEMPORARY TRAFFIC CONTROL FOR KATY HOCKLEY CUT OFF ROAD PER SHEET 15.1, COMPLETE IN PLACE	LS	1	\$3,500.00	\$3,500.00	\$6,040.00	\$6,040.00	\$4,500.00	\$4,500.00
20.	MOWING AND SHREDDING OF FILL AREA PRIOR TO STRIPPING (TO BE USED ONLY AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	30	\$25.00	\$750.00	\$50.00	\$1,500.00	\$25.00	\$750.00
<b>SUBTOTAL MISCELLANEOUS BID ITEMS</b>					<b>\$200,211.00</b>		<b>\$162,717.50</b>		<b>\$454,303.32</b>
<b>ALTERNATE BID ITEMS NO.1</b>									
1.	EXCAVATION FROM DRAINAGE CHANNEL AND HAUL OFF-SITE, INCLUDES DEMUCKING, STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION, TO BE USED IN LIEU OF DRAINAGE CHANNEL ITEM Nos. 1 & 2, COMPLETE IN PLACE	CY	69,716	\$20.00	\$1,394,320.00	\$15.00	\$1,045,740.00	\$15.00	\$1,045,740.00
<b>SUBTOTAL ALTERNATE BID ITEMS NO.1</b>					<b>\$1,394,320.00</b>		<b>\$1,045,740.00</b>		<b>\$1,045,740.00</b>
<b>ALTERNATE BID ITEMS NO.2</b>									
1.	10'X6' RCB, STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, FOR DUAL BOX CULVERTS UNDER STREET CROSSING, OPEN CUT, COMPLETE IN PLACE	LF	426	\$1,500.00	\$639,000.00	\$890.00	\$379,140.00	\$553.00	\$235,578.00
2.	CONCRETE HEADWALL STRUCTURE PER TXDOT DETAIL FOR DUAL BOX CULVERTS, COMPLETE IN PLACE	EA	2	\$46,000.00	\$92,000.00	\$2,850.00	\$5,700.00	\$49,780.00	\$99,560.00
3.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	701	\$2.00	\$1,402.00	\$1.00	\$701.00	\$1.10	\$771.10
4.	3" HOT MIX ASPHALTIC CONCRETE, COMPLETE IN PLACE	SY	88	\$78.00	\$6,864.00	\$90.00	\$7,920.00	\$152.64	\$13,432.32
5.	10" BLACK BASE, COMPLETE IN PLACE	SY	88	\$112.00	\$9,856.00	\$120.00	\$10,560.00	\$161.14	\$14,180.32
6.	6" LIME STABILIZED SUBGRADE INCLUDES HYDRATED LIME (7% LIME CONTENT), (AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY THE ENGINEER), COMPLETE IN PLACE	SY	88	\$4.00	\$352.00	\$60.00	\$5,280.00	\$223.64	\$19,680.32
7.	REMOVE AND DISPOSE OF EXISTING KATY HOCKLEY CUT OFF ROAD FOR DUAL BOX CULVERTS, COMPLETE IN PLACE	LS	1	\$12,000.00	\$12,000.00	\$4,300.00	\$4,300.00	\$114,950.00	\$114,950.00
<b>SUBTOTAL ALTERNATE BID ITEMS NO.2</b>					<b>\$761,474.00</b>		<b>\$413,601.00</b>		<b>\$498,152.06</b>

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			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
<b>ALTERNATE BID ITEMS NO.3</b>									
1. TUNNELING 10'X6' RCB FOR STREET CROSSING, DOES NOT INCLUDE REINFORCED CONCRETE BOX, COMPLETE IN PLACE	LF	86	\$1,500.00	\$129,000.00	\$2,600.00	\$223,600.00	\$2,500.00	\$215,000.00	
2. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	EA	402	\$20.00	\$8,040.00	\$1.00	\$402.00	\$20.00	\$8,040.00	
<b>SUBTOTAL ALTERNATE BID ITEMS NO.3</b>				<b>\$137,040.00</b>		<b>\$224,002.00</b>		<b>\$223,040.00</b>	
<b>BID SUMMARY</b>									
SUBTOTAL DRAINAGE CHANNEL BID ITEMS				\$721,695.00		\$774,198.80		\$624,101.39	
SUBTOTAL MISCELLANEOUS BID ITEMS				\$200,211.00		\$162,717.50		\$454,303.32	
<b>TOTAL AMOUNT BID</b>				<b>\$921,906.00</b>		<b>\$936,916.30</b>		<b>\$1,078,404.71</b>	
<b>ALTERNATE NO.1</b>									
TOTAL AMOUNT BID				\$921,906.00 *		\$936,916.30		\$1,078,404.71	
SUBTRACT DRAINAGE CHANNEL ITEMS NOS. 1 & 2				(\$261,435.00)		(\$264,920.80)		(\$218,211.08)	
SUBTOTAL ALTERNATE BID ITEMS NO.1				\$1,394,320.00 *		\$1,045,740.00		\$1,045,740.00	
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE BID ITEMS</b>				<b>\$2,054,791.00</b>		<b>\$1,717,735.50</b>		<b>\$1,905,933.63</b>	
<b>ALTERNATE NO. 2</b>									
TOTAL AMOUNT BID				\$921,906.00 *		\$936,916.30		\$1,078,404.71	
SUBTRACT DRAINAGE ITEMS NOS. 5, 6, 13, 17, 18-20				(\$239,398.00)		(\$291,008.00)		(\$210,159.06)	
SUBTOTAL ALTERNATE BID ITEMS NO.2				\$761,474.00 *		\$413,601.00		\$498,152.06	
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE BID ITEMS</b>				<b>\$1,443,982.00</b>		<b>\$1,059,509.30</b>		<b>\$1,366,397.71</b>	
<b>ALTERNATE NO. 3</b>									
TOTAL AMOUNT BID				\$921,906.00 *		\$936,916.30		\$1,078,404.71	
SUBTRACT DRAINAGE CHANNEL ITEM NOS 13, 17, 18-20				(\$17,258.00)		(\$17,218.00)		(\$32,810.06)	
SUBTOTAL ALTERNATE BID ITEMS NO.3				\$137,040.00 *		\$224,002.00		\$223,040.00	
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE BID ITEMS</b>				<b>\$1,041,688.00 *</b>		<b>\$1,143,700.30</b>		<b>\$1,268,634.65</b>	

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ITEM	DESCRIPTION	UNIT	QTY	4) C.E. BARKER, LTD		5) EARTH BUILDERS, LP		6) TRIPLE B SERVICES, LLP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>DRAINAGE CHANNEL BID ITEMS</b>									
1.	EXCAVATION FOR DRAINAGE CHANNEL, INCLUDES DEMUCKING, STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	69,716	\$3.22	\$224,485.52	\$3.00	\$209,148.00	\$5.85	\$407,838.60
2.	HAUL, PLACEMENT, GRADING AND COMPACTION (95% STANDARD PROCTOR DENSITY IN MAXIMUM 8' LIFTS) OF EXCAVATED DRAINAGE CHANNEL MATERIAL FOR KATY CROSSING FILL AREA PER GRADING PLAN. INCLUDES FILL AREA DRAINAGE SWALES, STRIPPING OF FILL AREAS, STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION, COMPLETE IN PLACE	CY	69,716	\$2.65	\$184,747.40	\$3.00	\$209,148.00	\$7.00	\$488,012.00
3.	BACKSLOPE SWALE, INCLUDES DRAINAGE CHANNEL, EMBANKMENT, STRIPPINGS, RE-APPLICATION OF STRIPPINGS, AND COMPACTION TO 95% PROCTOR DENSITY, COMPLETE IN PLACE	LF	5,705	\$4.64	\$26,471.20	\$3.00	\$17,115.00	\$1.00	\$5,705.00
4.	BACKSLOPE INTERCEPTOR STRUCTURE, INCLUDES 24" CORRUGATED GALVANIZED STEEL PIPE AND TRENCH SAFETY, COMPLETE IN PLACE	EA	17	\$5,682.11	\$96,595.87	\$8,500.00	\$144,500.00	\$9,000.00	\$153,000.00
5.	10'X6' RCB, STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, FOR STREET CROSSING, OPEN CUT, COMPLETE IN PLACE	LF	213	\$688.39	\$146,627.07	\$800.00	\$170,400.00	\$900.00	\$191,700.00
6.	CONCRETE HEADWALL STRUCTURE PER TXDOT DETAIL, COMPLETE IN PLACE	EA	2	\$17,849.51	\$35,699.02	\$20,000.00	\$40,000.00	\$38,000.00	\$76,000.00
7.	42" CORRUGATED GALVANIZED STEEL PIPE STORM SEWER, 2-2/3" X 1/2" CORRUGATIONS, 16 GAUGE, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	238	\$90.07	\$21,436.66	\$130.00	\$30,940.00	\$150.00	\$35,700.00
8.	REMOVE AND DISPOSE OF EXISTING 8" BRICK WALL PLUG AND CONNECT PROPOSED STORM SEWER, COMPLETE IN PLACE	EA	2	\$864.45	\$1,728.90	\$600.00	\$1,200.00	\$2,500.00	\$5,000.00
9.	18" RIP RAP, COMPLETE IN PLACE	SY	93	\$63.39	\$5,895.27	\$65.00	\$6,045.00	\$105.00	\$9,765.00
10.	CONCRETE OVERFLOW SWALE (PER HCFCO DETAIL ON SHEET 11 OF PLANS), COMPLETE IN PLACE	LS	1	\$38,131.84	\$38,131.84	\$20,000.00	\$20,000.00	\$30,000.00	\$30,000.00
11.	6" CONCRETE PAVING, EXCLUDING THE HEADWALLS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	SY	10	\$242.05	\$2,420.50	\$150.00	\$1,500.00	\$250.00	\$2,500.00
12.	COFFER DAM FOR STORM SEWER IN EXISTING KATY MANOR DETENTION POND, INCLUDES BYPASS PUMPING, TO FACILITATE THE CONSTRUCTION OF THE DUAL 42" CGMP OUTFALL, INCLUDES REMOVAL UPON COMPLETION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$6,339.30	\$6,339.30	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00
13.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	488	\$0.11	\$53.68	\$1.00	\$488.00	\$6.00	\$2,928.00
14.	24" RCP STORM SEWER, ASTM C-76, CLASS III, ALL CUTS, FOR CULVERT CROSSING, COMPLETE IN PLACE	LF	37	\$64.57	\$2,389.09	\$65.00	\$2,405.00	\$100.00	\$3,700.00
15.	6:1 SAFETY END TREATMENT WITHOUT PIPE RUNNERS FOR 24" CULVERT, COMPLETE IN PLACE	EA	2	\$2,017.05	\$4,034.10	\$1,500.00	\$3,000.00	\$1,800.00	\$3,600.00
16.	ASPHALT DRIVEWAY WITH 1-1/2" HMA SURFACE, 6" (MIN) FLEXIBLE BASE, 8" LIME STABILIZED SUBGRADE AND CONNECTION TO EXISTING PAVEMENT, COMPLETE IN PLACE	SY	123	\$171.26	\$21,064.98	\$70.00	\$8,610.00	\$92.00	\$11,316.00
17.	3" HOT MIX ASPHALTIC CONCRETE, COMPLETE IN PLACE	SY	53	\$144.19	\$7,642.07	\$60.00	\$3,180.00	\$66.00	\$3,498.00
18.	10" BLACK BASE, COMPLETE IN PLACE	SY	53	\$115.37	\$6,114.61	\$60.00	\$3,180.00	\$150.00	\$7,950.00
19.	6" LIME STABILIZED SUBGRADE INCLUDES HYDRATED LIME (7% LIME CONTENT), (AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY THE ENGINEER), COMPLETE IN PLACE	SY	53	\$115.37	\$6,114.61	\$60.00	\$3,180.00	\$90.00	\$4,770.00

**BID TABULATION FOR:**

CONSTRUCTION OF THE HARRIS COUNTY FLOOD CONTROL DRAINAGE CHANNEL U-101-11-00 PHASE 2  
 TO SERVE HARRIS COUNTY/ CITY OF HOUSTON ETJ  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495  
 HARRIS COUNTY, TEXAS  
 JANUARY 24, 2018  
 LJA ENGINEERING, INC.  
 A. ZUMAYA  
 JANUARY 24, 2018  
 1750-3021 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) C.E. BARKER, LTD		5) EARTH BUILDERS, LP		6) TRIPLE B SERVICES, LLP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
20.	REMOVE AND DISPOSE OF EXISTING KATY HOCKLEY CUT OFF ROAD AS SHOWN IN PLANS, COMPLETE IN PLACE	LS	1	\$2,881.50	\$2,881.50	\$7,500.00	\$7,500.00	\$4,500.00	\$4,500.00
<b>SUBTOTAL DRAINAGE CHANNEL BID ITEMS</b>					<b>\$840,873.19</b>	<b>\$886,539.00</b>	<b>\$1,457,482.60</b>		
<b>MISCELLANEOUS BID ITEMS</b>									
1.	REMOVE AND DISPOSE OF EXISTING BARB WIRE FENCE AND ANY BRUSH ALONG EXISTING FENCE LINE, COMPLETE IN PLACE	LF	3,133	\$3.98	\$12,469.34	\$1.50	\$4,699.50	\$7.50	\$23,497.50
2.	5 STRAND, 4 POINT GAUCHO BARB WIRE FENCE, T-POST SPACED EVERY 10', 4' CREOSOTE POST EVERY 50', (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	2,050	\$5.53	\$11,336.50	\$5.00	\$10,250.00	\$6.00	\$12,300.00
3.	HYDROMULCH SEEDING OF CHANNEL SIDE SLOPES AND BACKSLOPE SWALES PER HCFCO SPECIFICATIONS, INCLUDES WATERING, COMPLETE IN PLACE	AC	10	\$3,112.13	\$31,121.30	\$1,800.00	\$18,000.00	\$2,500.00	\$25,000.00
4.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF OUTFALLS AND CROSSINGS, ALL LINE SIZES AND DEPTHS, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$22.00	\$2,200.00	\$22.00	\$2,200.00	\$42.00	\$4,200.00
5.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF DRAINAGE CHANNEL, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	5	\$3,000.00	\$15,000.00	\$3,000.00	\$15,000.00	\$4,200.00	\$21,000.00
6.	STORMWATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROL AND ALL OTHER ITEMS NOT SPECIFICALLY LISTED, COMPLETE IN PLACE	LS	1	\$576.30	\$576.30	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00
7.	REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING) (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	500	\$2.00	\$1,000.00	\$2.50	\$1,250.00	\$1.40	\$700.00
8.	CONSTRUCT, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION ACCESS, COMPLETE IN PLACE	EA	2	\$2,017.05	\$4,034.10	\$3,500.00	\$7,000.00	\$2,000.00	\$4,000.00
9.	CONSTRUCT, MAINTAIN, AND REMOVE CONCRETE TRUCK WASHOUT, COMPLETE IN PLACE	EA	1	\$1,152.60	\$1,152.60	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00
10.	INLET PROTECTION SODDING, PER HCFCO STORM WATER POLLUTION PREVENTION PLAN DETAIL SHEET 15, INCLUDES ANY NECESSARY SODDING IN BACKSLOPE SWALES COMPLETE IN PLACE	EA	17	\$57.63	\$979.71	\$80.00	\$1,360.00	\$650.00	\$11,050.00
11.	24" SOD ROLL FOR DRAINAGE CHANNEL SIDE SLOPE SODDING PER HCFCO STORM WATER POLLUTION PREVENTION PLAN DETAIL SHEET 15, COMPLETE IN PLACE	LF	10,889	\$1.33	\$14,482.37	\$1.50	\$16,333.50	\$2.00	\$21,778.00
12.	TYPE 2 ROCK FILTER DAM PER HCFCO STORM WATER POLLUTION PREVENTION PLAN DETAIL SHEET 15, COMPLETE IN PLACE	EA	6	\$2,305.20	\$13,831.20	\$6,500.00	\$39,000.00	\$1,800.00	\$10,800.00
13.	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION, ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	100	\$20.00	\$2,000.00	\$15.00	\$1,500.00	\$7.00	\$700.00
14.	ADDITIONAL COST TO SCARIFY FILL AREAS TO RECEIVE FILL TO A DEPTH OF 12 INCHES TO AERATE THE SUBGRADE SOILS AND RECOMPACT TO 95% STANDARD PROCTOR DENSITY, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	14	\$2,789.40	\$39,051.60	\$750.00	\$10,500.00	\$8,700.00	\$121,800.00

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CONSTRUCTION OF THE HARRIS COUNTY FLOOD CONTROL DRAINAGE CHANNEL U-101-11-00 PHASE 2  
 TO SERVE HARRIS COUNTY/ CITY OF HOUSTON ETJ  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495  
 HARRIS COUNTY, TEXAS  
 JANUARY 24, 2018  
 LJA ENGINEERING, INC.  
 A. ZUMAYA  
 JANUARY 24, 2018  
 1750-3021 (9.2)

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

ITEM	DESCRIPTION	UNIT	QTY	4) C.E. BARKER, LTD		5) EARTH BUILDERS, LP		6) TRIPLE B SERVICES, LLP	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
15.	ADDITIONAL COST TO SCARIFY FILL AREAS TO RECEIVE FILL TO A DEPTH OF 24 INCHES TO AERATE THE SUBGRADE SOILS AND RECOMPACT TO 95% STANDARD PROCTOR DENSITY, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	8	\$5,578.70	\$44,629.60	\$1,800.00	\$14,400.00	\$11,000.00	\$88,000.00
16.	SURFACE PUMPING (SURFACE WATER CONTROL) INCLUDES PUMPING REQUIRED TO CONSTRUCT CHANNEL, UTILITIES, AND OUTFALLS, MINIMUM 1,000 GPM PUMP, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	HOURS	150	\$50.00	\$7,500.00	\$35.00	\$5,250.00	\$35.00	\$5,250.00
17.	OVER EXCAVATION OF UNSUITABLE MATERIAL PRIOR TO FILL PLACEMENT WITHIN FILL AREAS, INCLUDES EXCAVATION, DEMUCKING, STOCKPILING, AND SPREADING OF UNSUITABLE MATERIAL AND INCLUDES REPLACEMENT OF MATERIAL BY BLENDING WITH EXCAVATED MATERIAL FROM CHANNEL OR AS FINAL LIFT UPON COMPLETION OF FILL, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	20,000	\$3.25	\$65,000.00	\$4.50	\$90,000.00	\$6.00	\$120,000.00
18.	COST ASSOCIATED WITH RELOCATION OF EXISTING CONSOLIDATED COMMUNICATIONS FIBER OPTIC LINE FINAL PAYMENT TO BE ADJUSTED (INCREASED OR DECREASED) BASED ON TOTAL INVOICE COST BY CONSOLIDATED COMMUNICATIONS PLUS 10% MARKUP, COMPLETE IN PLACE	LS	1	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00
19.	TEMPORARY TRAFFIC CONTROL FOR KATY HOCKLEY CUT OFF ROAD PER SHEET 15.1, COMPLETE IN PLACE	LS	1	\$7,500.00	\$7,500.00	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00
20.	MOWING AND SHREDDING OF FILL AREA PRIOR TO STRIPPING (TO BE USED ONLY AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	AC	30	\$65.00	\$1,950.00	\$80.00	\$2,400.00	\$60.00	\$1,800.00
<b>SUBTOTAL MISCELLANEOUS BID ITEMS</b>					<b>\$283,814.62</b>		<b>\$260,143.00</b>		<b>\$491,875.50</b>
<b>ALTERNATE BID ITEMS NO.1</b>									
1.	EXCAVATION FROM DRAINAGE CHANNEL AND HAUL OFF-SITE, INCLUDES DEMUCKING, STRIPPING AND STOCKPILE OF STRIPPINGS AND REPLACEMENT OF STRIPPINGS UPON COMPLETION, TO BE USED IN LIEU OF DRAINAGE CHANNEL ITEM Nos. 1 & 2, COMPLETE IN PLACE	CY	69,716	\$23.16	\$1,614,622.56	\$15.00	\$1,045,740.00	\$12.50	\$871,450.00
<b>SUBTOTAL ALTERNATE BID ITEMS NO.1</b>					<b>\$1,614,622.56</b>		<b>\$1,045,740.00</b>		<b>\$871,450.00</b>
<b>ALTERNATE BID ITEMS NO.2</b>									
1.	10'X6' RCB, STORM SEWER, ASTM C-1433, CLASS III, ALL CUTS, FOR DUAL BOX CULVERTS UNDER STREET CROSSING, OPEN CUT, COMPLETE IN PLACE	LF	426	\$688.39	\$293,254.14	\$800.00	\$340,800.00	\$900.00	\$383,400.00
2.	CONCRETE HEADWALL STRUCTURE PER TXDOT DETAIL FOR DUAL BOX CULVERTS, COMPLETE IN PLACE	EA	2	\$35,122.71	\$70,245.42	\$20,000.00	\$40,000.00	\$40,000.00	\$80,000.00
3.	TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	LF	701	\$0.11	\$77.11	\$1.00	\$701.00	\$5.00	\$3,505.00
4.	3" HOT MIX ASPHALTIC CONCRETE, COMPLETE IN PLACE	SY	88	\$144.19	\$12,688.72	\$60.00	\$5,280.00	\$62.00	\$5,456.00
5.	10" BLACK BASE, COMPLETE IN PLACE	SY	88	\$115.37	\$10,152.56	\$60.00	\$5,280.00	\$150.00	\$13,200.00
6.	6" LIME STABILIZED SUBGRADE INCLUDES HYDRATED LIME (7% LIME CONTENT), (AS REQUIRED BY SOIL CONDITIONS AND APPROVED BY THE ENGINEER), COMPLETE IN PLACE	SY	88	\$115.37	\$10,152.56	\$60.00	\$5,280.00	\$80.00	\$7,040.00
7.	REMOVE AND DISPOSE OF EXISTING KATY HOCKLEY CUT OFF ROAD FOR DUAL BOX CULVERTS, COMPLETE IN PLACE	LS	1	\$2,881.50	\$2,881.50	\$10,000.00	\$10,000.00	\$4,500.00	\$4,500.00
<b>SUBTOTAL ALTERNATE BID ITEMS NO.2</b>					<b>\$399,452.01</b>		<b>\$407,341.00</b>		<b>\$497,101.00</b>



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 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 495  
 HARRIS COUNTY, TEXAS  
 JANUARY 24, 2018  
 LJA ENGINEERING, INC.  
 A. ZUMAYA  
 JANUARY 24, 2018  
 1750-3021 (9.2)

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

ITEM DESCRIPTION	UNIT	QTY	4) C.E. BARKER, LTD		5) EARTH BUILDERS, LP		6) TRIPLE B SERVICES, LLP	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>ALTERNATE BID ITEMS NO.3</b>								
1. TUNNELING 10'X6' RCB FOR STREET CROSSING, DOES NOT INCLUDE REINFORCED CONCRETE BOX, COMPLETE IN PLACE	LF	86	\$1,997.75	\$171,806.50	\$2,000.00	\$172,000.00	\$3,700.00	\$318,200.00
2. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	EA	402	\$0.11	\$44.22	\$10.00	\$4,020.00	\$5.00	\$2,010.00
<b>SUBTOTAL ALTERNATE BID ITEMS NO.3</b>				<b>\$171,850.72</b>		<b>\$176,020.00</b>		<b>\$320,210.00</b>
<b>BID SUMMARY</b>								
SUBTOTAL DRAINAGE CHANNEL BID ITEMS				\$840,873.19		\$886,539.00		\$1,457,482.60
SUBTOTAL MISCELLANEOUS BID ITEMS				\$283,814.62		\$260,143.00		\$491,875.50
<b>TOTAL AMOUNT BID</b>				<b>\$1,124,687.81</b>		<b>\$1,146,682.00</b>		<b>\$1,949,358.10</b>
<b>ALTERNATE NO.1</b>								
TOTAL AMOUNT BID				\$1,124,687.81		\$1,146,682.00		\$1,949,358.10
SUBTRACT DRAINAGE CHANNEL ITEMS NOS. 1 & 2				(\$409,232.92)		(\$418,296.00)		(\$895,850.60)
SUBTOTAL ALTERNATE BID ITEMS NO.1				\$1,614,622.56		\$1,045,740.00		\$871,450.00
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE BID ITEMS</b>				<b>\$2,330,077.45</b>		<b>\$1,774,126.00</b>		<b>\$1,924,957.50</b>
<b>ALTERNATE NO. 2</b>								
TOTAL AMOUNT BID				\$1,124,687.81		\$1,146,682.00		\$1,949,358.10
SUBTRACT DRAINAGE ITEMS NOS. 5, 6, 13, 17, 18-20				(\$205,132.56)		(\$227,928.00)		(\$291,346.00)
SUBTOTAL ALTERNATE BID ITEMS NO.2				\$399,452.01		\$407,341.00		\$497,101.00
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE BID ITEMS</b>				<b>\$1,319,007.26</b>		<b>\$1,326,095.00</b>		<b>\$2,155,113.10</b>
<b>ALTERNATE NO. 3</b>								
TOTAL AMOUNT BID				\$1,124,687.81		\$1,146,682.00		\$1,949,358.10
SUBTRACT DRAINAGE CHANNEL ITEM NOS 13, 17, 18-20				(\$22,806.47)		(\$17,528.00)		(\$23,646.00)
SUBTOTAL ALTERNATE BID ITEMS NO.3				\$171,850.72		\$176,020.00		\$320,210.00
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE BID ITEMS</b>				<b>\$1,273,732.06</b>		<b>\$1,305,174.00</b>		<b>\$2,245,922.10</b>