

BID TABULATION FOR:

CONSTRUCTION OF THE DRAINAGE FACILITIES, PAVING & APPURTENANCES & TRAFFIC SIGNALS
TO SERVE RESEARCH FOREST DRIVE
WESTWOOD MAGNOLIA PARKWAY IMPROVEMENT DISTRICT
CITY OF HOUSTON E.T.J., MONTGOMERY COUNTY, TEXAS
DECEMBER 20, 2011
LJA ENGINEERING, INC.
S. ROSS
DECEMBER 20, 2011
1852-1002 (9.2)

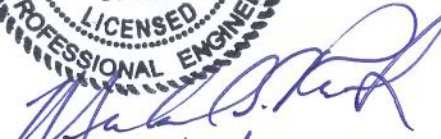
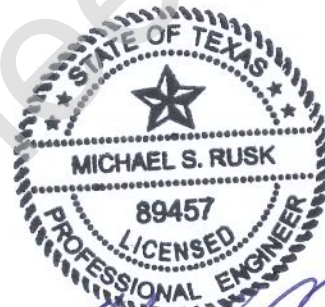
BID OPENING DATE:
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LJA JOB NO.

BIDDER'S NAME	TOTAL AMOUNT BID	TOTAL AMOUNT BID INCL. ALTERNATE 1	TOTAL AMOUNT BID INCL. ALTERNATE NOS. 1, 2 AND 3
1) L.N. MCKEAN, INC.	\$2,281,633.20	\$2,454,931.20	\$2,587,053.70
2) HARRIS CONSTRUCTION COMPANY, LTD.	\$2,292,721.75	\$2,402,211.75	\$2,549,536.75
3) JERDON ENTERPRISE, L.P.	\$2,459,388.60	\$2,616,719.60	\$2,757,063.60

CALENDAR DAYS - 160/180



I, Michael S. Rusk, P.E., hereby certify these bid tabulations to be true and correct.



12/20/11

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 CITY OF HOUSTON E.T.J., MONTGOMERY COUNTY, TEXAS
 DECEMBER 20, 2011
 LJA ENGINEERING, INC.
 S. ROSS
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ITEM	DESCRIPTION	UNIT	QTY	1) L.N. MCKEAN, INC.		2) HARRIS CONSTRUCTION COMPANY, LTD.		3) JERDON ENTERPRISE, L.P.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
RESEARCH FOREST DRIVE PAVING AND DRAINAGE ITEMS									
1.	CLEARING OF PROPOSED ROAD RIGHT-OF-WAY FOR CONSTRUCTION, INCLUDES CLEARING AND REMOVAL, COMPLETE IN PLACE	AC	10.8	\$7,750.00	\$83,700.00	\$8,000.00	\$86,400.00	\$9,000.00	\$97,200.00
2.	CLEARING OF AREA OUTSIDE RIGHT-OF-WAY FOR CONSTRUCTION, INCLUDES CLEARING, REMOVAL, AND DEMUCKING, COMPLETE IN PLACE	AC	0.6	\$7,750.00	\$4,650.00	\$8,000.00	\$4,800.00	\$9,000.00	\$5,400.00
3.	COMMON ROADWAY EXCAVATION TO BE USED FOR ROADWAY FILL, INCLUDES EXCAVATION, HAULING, PLACEMENT AND COMPACTION, COMPLETE IN PLACE	CY	10,917	\$5.00	\$54,585.00	\$2.45	\$26,746.65	\$4.40	\$48,034.80
4.	COMPACTED FILL (95% STANDARD PROCTOR DENSITY WITH 8" LIFTS), COMPLETE IN PLACE	CY	13,010	\$3.00	\$39,030.00	\$1.85	\$24,068.50	\$4.40	\$57,244.00
5.	SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT AND CURB, COMPLETE IN PLACE	LF	830	\$1.60	\$1,328.00	\$12.50	\$10,375.00	\$12.00	\$9,960.00
6.	6" CEMENT STABILIZED SUB-GRADE, COMPLETE IN PLACE	SY	29,260	\$1.60	\$46,816.00	\$3.00	\$87,780.00	\$5.00	\$146,300.00
7.	CEMENT FOR SUB-GRADE STABILIZATION (10% CEMENT BY WEIGHT), COMPLETE IN PLACE	TON	691	\$140.00	\$96,740.00	\$190.00	\$131,290.00	\$110.00	\$76,010.00
8.	8" REINFORCED CONCRETE PAVEMENT, INCLUDES PAVING HEADER, COMPLETE IN PLACE	SY	20972	\$35.00	\$734,020.00	\$32.45	\$680,541.40	\$44.00	\$922,768.00
9.	6" CONCRETE CURB, COMPLETE IN PLACE	LF	6,810	\$2.40	\$16,344.00	\$2.20	\$14,982.00	\$3.00	\$20,430.00
10.	6" CONCRETE CURB, DOWEL, COMPLETE IN PLACE	LF	440	\$3.50	\$1,540.00	\$9.15	\$4,026.00	\$5.50	\$2,420.00
11.	6" CONCRETE CURB, TEMPORARY, COMPLETE IN PLACE	LF	1,171	\$3.50	\$4,098.50	\$2.00	\$2,342.00	\$5.50	\$6,440.50
12.	2" HOT MIX ASPHALTIC CONCRETE SHOULDERS (8' WIDE WITH 6" OF BASE MATERIAL), COMPLETE IN PLACE	SY	6,350	\$22.00	\$139,700.00	\$26.25	\$166,687.50	\$18.50	\$117,475.00
13.	TEMPORARY ASPHALTIC CONCRETE PAVEMENT TRANSITIONS (18' WIDE WITH 6" OF BASE MATERIAL), COMPLETE IN PLACE	SY	937	\$22.00	\$20,614.00	\$32.00	\$29,984.00	\$28.00	\$26,236.00
14.	REMOVAL OF EXISTING EIGHT-INCH CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	122	\$135.00	\$16,470.00	\$12.00	\$1,464.00	\$9.00	\$1,098.00
15.	10' X 5' REINFORCED CONCRETE BOX CULVERT, COMPLETE IN PLACE	LF	127	\$630.00	\$80,010.00	\$512.00	\$65,024.00	\$650.00	\$82,550.00
16.	DUAL 8' X 5' REINFORCED CONCRETE BOX CULVERT, COMPLETE IN PLACE	LF	112	\$775.00	\$86,800.00	\$650.00	\$72,800.00	\$1,000.00	\$112,000.00
17.	PARALLEL WINGWALL FOR 10' X 5' BOX CULVERT, INCLUDES WINGWALLS AND CONCRETE APRON PER TXDOT DETAIL, COMPLETE IN PLACE	EA	1	\$22,700.00	\$22,700.00	\$25,500.00	\$25,500.00	\$10,200.00	\$10,200.00
18.	PARALLEL WINGWALL FOR DUAL 8' X 5' BOX CULVERT, INCLUDES WINGWALL AND CONCRETE APRON PER TXDOT DETAIL, COMPLETE IN PLACE	EA	1	\$27,500.00	\$27,500.00	\$29,500.00	\$29,500.00	\$11,100.00	\$11,100.00
19.	FLARED WINGWALL FOR 10' X 5' BOX CULVERT, INCLUDES WINGWALL AND CONCRETE APRON PER TXDOT DETAIL, COMPLETE IN PLACE	EA	1	\$23,600.00	\$23,600.00	\$24,000.00	\$24,000.00	\$14,000.00	\$14,000.00
20.	FLARED WINGWALL FOR DUAL 8' X 5' BOX CULVERT, INCLUDES WINGWALL AND CONCRETE APRON PER TXDOT DETAIL, COMPLETE IN PLACE	EA	1	\$27,500.00	\$27,500.00	\$31,750.00	\$31,750.00	\$14,500.00	\$14,500.00
21.	18" THICK CONCRETE RIP RAP, NO EXPOSED REBAR AND MINIMUM 6" THICKNESS PER BLOCK, HAND PLACED ON TREVIA FABRIC, BLOCK AVERAGING 50 TO 120 LBS PER BLOCK, COMPLETE IN PLACE	SY	435	\$44.00	\$19,140.00	\$60.00	\$26,100.00	\$35.00	\$15,225.00
22.	EXCAVATION OF ROADSIDE DITCHES AS PER CONSTRUCTION PLANS, INCLUDES EXCAVATION, HAULING, PLACEMENT, AND COMPACTION, COMPLETE IN PLACE	LF	7,223	\$7.00	\$50,561.00	\$3.50	\$25,280.50	\$2.50	\$18,057.50
23.	24" RCP STORM SEWER PIPE, COMPLETE IN PLACE	LF	11	\$84.00	\$924.00	\$78.65	\$865.15	\$100.00	\$1,100.00
24.	30" RCP STORM SEWER PIPE, COMPLETE IN PLACE	LF	112	\$97.00	\$10,864.00	\$86.40	\$9,676.80	\$160.00	\$17,920.00
25.	36" RCP STORM SEWER PIPE, COMPLETE IN PLACE	LF	35	\$122.00	\$4,270.00	\$103.35	\$3,617.25	\$185.00	\$6,475.00
26.	TYPE "E" INLETS, INCLUDES TEMPORARY SILT BARRIER FENCE, COMPLETE IN PLACE	EA	4	\$4,415.00	\$17,660.00	\$2,785.00	\$11,140.00	\$3,200.00	\$12,800.00
27.	4" CHANNEL LOCK DROP STRUCTURE, (INCLUDES TOPSOIL, EXCAVATION, AND GRADING), COMPLETE IN PLACE	EA	19	\$2,850.00	\$54,150.00	\$1,250.00	\$23,750.00	\$1,800.00	\$34,200.00
28.	REMOVAL OF EXISTING WEIR STRUCTURES AND CONCRETE PIPE AND DISPOSAL, COMPLETE IN PLACE	EA	2	\$4,350.00	\$8,700.00	\$2,000.00	\$4,000.00	\$3,000.00	\$6,000.00

* MATHEMATICAL ERROR

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
29.	CONNECT TO EXISTING CONCRETE PAVEMENT AT BRANCH CROSSING, COMPLETE IN PLACE	LS	1	\$1,380.00	\$1,380.00	\$500.00	\$500.00	\$850.00	\$850.00
30.	TEMPORARY CONSTRUCTION ENTRANCE PER COH DETAIL, COMPLETE IN PLACE	EA	2	\$1,600.00	\$3,200.00	\$2,000.00	\$4,000.00	\$1,900.00	\$3,800.00
31.	REGRADE OF EXISTING CHANNEL TO CONNECT TO PROPOSED BOX CULVERT HEADWALLS, COMPLETE IN PLACE	EA	2	\$3,700.00	\$7,400.00	\$5,000.00	\$10,000.00	\$2,500.00	\$5,000.00
32.	REGRADE OF EXISTING ROADSIDE DITCH/SWALE AS PER CONSTRUCTION PLANS, INCLUDES EXCAVATION, HAULING, PLACEMENT, AND COMPACTION, COMPLETE IN PLACE	LF	750	\$5.00	\$3,750.00	\$3.00	\$2,250.00	\$2.00	\$1,500.00
33.	PERMANENT TRAFFIC CONTROL AND SIGNAGE - RESEARCH FOREST, (INCLUDES TYPE III BARRICADES), COMPLETE IN PLACE	LS	1	\$37,500.00	\$37,500.00	\$41,000.00	\$41,000.00	\$37,000.00	\$37,000.00
34.	PERMANENT TRAFFIC CONTROL AND SIGNAGE - BRANCH CROSSING, COMPLETE IN PLACE	LS	1	\$2,550.00	\$2,550.00	\$3,500.00	\$3,500.00	\$2,500.00	\$2,500.00
35.	TEMPORARY TRAFFIC CONTROL DEVICES AS PER CONSTRUCTION PLANS - BRANCH CROSSING INTERSECTION, COMPLETE IN PLACE	LS	1	\$8,000.00	\$8,000.00	\$10,000.00	\$10,000.00	\$8,000.00	\$8,000.00
36.	HYDROMULCH SEEDING OF DISTURBED AREAS, COMPLETE IN PLACE	AC	11.4	\$1,400.00	\$15,960.00	\$1,500.00	\$17,100.00	\$1,050.00	\$11,970.00
37.	CONTROL OF EXISTING CREEK WATER TO ALLOW FOR TIE IN OF PROPOSED BOX CULVERTS, INCLUDES COFFER DAM, BLADDER, SAND BAGS OR ANY MEANS NECESSARY FOR CONSTRUCTION, COMPLETE IN PLACE	LS	2	\$4,900.00	\$9,800.00	\$10,000.00	\$20,000.00	\$2,000.00	\$4,000.00
38.	CONSTRUCTION STAKING BY LJA ENGINEERING, INC. CONTACT DARRYL DAVIS AT 713.953.5068, COMPLETE IN PLACE	LS	1	\$8,100.00	\$8,100.00	\$8,100.00	\$8,100.00	\$8,100.00	\$8,100.00
39.	TRENCH SAFETY SYSTEM, (ALL DEPTHS), COMPLETE IN PLACE	LF	397	\$1.00	\$397.00	\$1.50	\$595.50	\$5.00	\$1,985.00
SUBTOTAL RESEARCH FOREST DRIVE PAVING AND DRAINAGE ITEMS					\$1,792,051.50		\$1,741,536.25		\$1,977,848.80
RESEARCH FOREST DRIVE AND EGYPT LANE TRAFFIC SIGNAL ITEMS									
1.	DRILL SHAFT (TRF SIG POLE) (36 IN), COMPLETE IN PLACE	LF	30	\$400.00	\$12,000.00	\$345.00	\$10,350.00	\$325.00	\$9,750.00
2.	DRILL SHAFT (TRF SIG POLE) (48 IN), COMPLETE IN PLACE	LF	44	\$370.00	\$16,280.00	\$400.00	\$17,600.00	\$345.00	\$15,180.00
3.	CONC SIDEWALKS (6"), COMPLETE IN PLACE	SY	63	\$50.00	\$3,150.00	\$60.00	\$3,780.00	\$60.00	\$3,780.00
4.	SCHEDULE 80, PVC CONDUIT (2"), COMPLETE IN PLACE	LF	20	\$7.90	\$158.00	\$8.50	\$170.00	\$7.80	\$156.00
5.	SCHEDULE 80, PVC CONDUIT (4"), COMPLETE IN PLACE	LF	60	\$11.00	\$660.00	\$12.25	\$735.00	\$10.00	\$600.00
6.	BORING FOR SCHEDULE 80, PVC CONDUIT (4"), COMPLETE IN PLACE	LF	340	\$13.50	\$4,590.00	\$14.50	\$4,930.00	\$13.30	\$4,522.00
7.	ELEC CONDR (NO. 4) INSULATED, COMPLETE IN PLACE	LF	70	\$1.00	\$70.00	\$1.10	\$77.00	\$2.20	\$154.00
8.	ELEC CONDR (NO. 6) BARE, COMPLETE IN PLACE	LF	410	\$1.00	\$410.00	\$1.00	\$410.00	\$1.10	\$451.00
9.	GROUND BOX TY D (162922) W / APRON, COMPLETE IN PLACE	EA	3	\$630.00	\$1,890.00	\$685.00	\$2,055.00	\$1,650.00	\$4,950.00
10.	ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (0), COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00	\$3,795.00	\$3,795.00	\$3,500.00	\$3,500.00
11.	INSTALL HWY TRF SIG (SYSTEM), COMPLETE IN PLACE	EA	1	\$90,000.00	\$90,000.00	\$90,000.00	\$90,000.00	\$75,500.00	\$75,500.00
12.	BACK PLATE (12 IN) (3 SEC), COMPLETE IN PLACE	EA	11	\$73.00	\$803.00	\$100.00	\$1,100.00	\$110.00	\$1,210.00
13.	BACK PLATE (12 IN) (4 SEC), COMPLETE IN PLACE	EA	4	\$95.00	\$380.00	\$120.00	\$480.00	\$140.00	\$560.00
14.	VEH SIG SEC (12 IN) LED (HOUSING ONLY), COMPLETE IN PLACE	EA	49	\$145.00	\$7,105.00	\$150.00	\$7,350.00	\$125.00	\$6,125.00
15.	VEH SIG SEC (12 IN) LED (GRN ARW), COMPLETE IN PLACE	EA	4	\$100.00	\$400.00	\$125.00	\$500.00	\$84.00	\$336.00
16.	VEH SIG SEC (12 IN) LED (GRN), COMPLETE IN PLACE	EA	11	\$100.00	\$1,100.00	\$125.00	\$1,375.00	\$84.00	\$924.00
17.	VEH SIG SEC (12 IN) LED (YEL ARW), COMPLETE IN PLACE	EA	4	\$78.00	\$312.00	\$100.00	\$400.00	\$84.00	\$336.00
18.	VEH SIG SEC (12 IN) LED (YEL), COMPLETE IN PLACE	EA	11	\$100.00	\$1,100.00	\$125.00	\$1,375.00	\$84.00	\$924.00
19.	VEH SIG SEC (12 IN) LED (RED ARW), COMPLETE IN PLACE	EA	8	\$79.00	\$632.00	\$100.00	\$800.00	\$84.00	\$672.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
20.	VEH SIG SEC (12 IN) LED (RED), COMPLETE IN PLACE	EA	11	\$79.00	\$869.00	\$100.00	\$1,100.00	\$84.00	\$924.00
21.	PED SIG SEC (12") (2 IND) (HOUSING ONLY), COMPLETE IN PLACE	EA	8	\$290.00	\$2,320.00	\$300.00	\$2,400.00	\$220.00	\$1,760.00
22.	TRF SIG CBL (TY A) (12 AWG) (2 CONDR), COMPLETE IN PLACE	LF	1,260	\$1.00	\$1,260.00	\$1.00	\$1,260.00	\$0.95	\$1,197.00
23.	TRF SIG CBL (TY A) (12 AWG) (4 CONDR), COMPLETE IN PLACE	LF	940	\$1.10	\$1,034.00	\$1.25	\$1,175.00	\$1.05	\$987.00
24.	TRF SIG CBL (TY A) (12 AWG) (7 CONDR), COMPLETE IN PLACE	LF	2,060	\$1.60	\$3,296.00	\$1.80	\$3,708.00	\$1.70	\$3,502.00
25.	INS TRF SIG PL AM (S) 1 ARM (32), LUM, COMPLETE IN PLACE	EA	1	\$8,370.00	\$8,370.00	\$9,000.00	\$9,000.00	\$7,500.00	\$7,500.00
26.	INS TRF SIG PL AM (S) 1 ARM (44), COMPLETE IN PLACE	EA	1	\$9,275.00	\$9,275.00	\$10,000.00	\$10,000.00	\$8,500.00	\$8,500.00
27.	INS TRF SIG PL AM (S) 1 ARM (55), COMPLETE IN PLACE	EA	1	\$17,000.00	\$17,000.00	\$20,000.00	\$20,000.00	\$16,700.00	\$16,700.00
28.	INS TRF SIG PL AM (S) 1 ARM (55) LUM, COMPLETE IN PLACE	EA	1	\$19,700.00	\$19,700.00	\$22,000.00	\$22,000.00	\$18,800.00	\$18,800.00
29.	PED DETECT (2 IN PUSH BTN), COMPLETE IN PLACE	EA	8	\$200.00	\$1,600.00	\$225.00	\$1,800.00	\$220.00	\$1,760.00
30.	CCTV FIELD EQUIPMENT, COMPLETE IN PLACE	EA	2	\$3,400.00	\$6,800.00	\$4,000.00	\$8,000.00	\$3,500.00	\$7,000.00
31.	LED COUNTDOWN PEDESTRIAN MODULE, COMPLETE IN PLACE	EA	8	\$260.00	\$2,080.00	\$250.00	\$2,000.00	\$360.00	\$2,880.00
32.	BBU SYSTEM (EXTERNAL BATT CABINET), COMPLETE IN PLACE	EA	1	\$7,350.00	\$7,350.00	\$10,000.00	\$10,000.00	\$7,200.00	\$7,200.00
SUBTOTAL RESEARCH FOREST DRIVE AND EGYPT LANE TRAFFIC SIGNAL ITEMS					\$225,494.00		\$239,725.00		\$208,340.00
EGYPT LANE PAVING AND DRAINAGE ITEMS									
1.	GROUT & ABANDON EXISTING 24" RCP, GRATE A INLET & REMOVE SET'S, COMPLETE IN PLACE	LF	129	\$19.00	\$2,451.00	\$37.75	\$4,869.75	\$35.00	\$4,515.00
2.	ADJUST EXISTING SANITARY SEWER MANHOLE, COMPLETE IN PLACE	EA	1	\$650.00	\$650.00	\$750.00	\$750.00	\$550.00	\$550.00
3.	PROPOSED 24" RCP INCLUDING ALL BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	286	\$67.00	\$19,162.00	\$51.75	\$14,800.50	\$96.00	\$27,456.00
4.	PROPOSED 24" SET, INCLUDES CONNECTION TO PROPOSED 24" RCP, COMPLETE IN PLACE	EA	4	\$2,500.00	\$10,000.00	\$1,050.00	\$4,200.00	\$750.00	\$3,000.00
5.	GRATE A INLETS, COMPLETE IN PLACE	EA	2	\$1,900.00	\$3,800.00	\$1,375.00	\$2,750.00	\$1,650.00	\$3,300.00
6.	COMMON ROADWAY EXCAVATION TO BE USED FOR ROADWAY FILL, INCLUDES EXCAVATION, HAULING, PLACEMENT AND COMPACTION, COMPLETE IN PLACE	CY	418	\$8.00	\$3,344.00	\$6.00	\$2,508.00	\$9.00	\$3,762.00
7.	6" CEMENT STABILIZED SUB-GRADE, COMPLETE IN PLACE	SY	2,410	\$1.60	\$3,856.00	\$4.00	\$9,640.00	\$5.00	\$12,050.00
8.	CEMENT FOR SUB-GRADE STABILIZATION (10% CEMENT BY WEIGHT), COMPLETE IN PLACE	TON	57	\$136.00	\$7,752.00	\$190.00	\$10,830.00	\$110.00	\$6,270.00
9.	2" HOT MIX ASPHALTIC CONCRETE WITH 8" BASE MATERIAL OF TYPE D ASPHALTIC CONCRETE, (PROPOSED AREA AND 4' WIDE SHOULDER), COMPLETE IN PLACE	SY	2,213	\$25.00	\$55,325.00	\$32.05	\$70,926.65	\$22.50	\$49,792.50
10.	1 1/2" ASPHALTIC CONCRETE SURFACE COURSE OVERLAY, COMPLETE IN PLACE	SY	4,835	\$8.50	\$41,097.50	\$12.00	\$58,020.00	\$8.40	\$40,614.00
11.	REGRADE OF EXISTING ROADSIDE DITCHES AS PER CONSTRUCTION PLANS, INCLUDES EXCAVATION, HAULING, PLACEMENT, AND COMPACTION, COMPLETE IN PLACE	LF	1,006	\$5.00	\$5,030.00	\$3.00	\$3,018.00	\$2.00	\$2,012.00
12.	TEMPORARY TRAFFIC CONTROL DEVICES PER CONSTRUCTION PLANS, COMPLETE IN PLACE	LS	1	\$30,000.00	\$30,000.00	\$35,000.00	\$35,000.00	\$30,000.00	\$30,000.00
13.	PERMANENT TRAFFIC CONTROL, INCLUDES STRIPPING AND SIGNAGE PER CONSTRUCTION PLANS, COMPLETE IN PLACE	LS	1	\$12,000.00	\$12,000.00	\$12,995.00	\$12,995.00	\$11,700.00	\$11,700.00
14.	HYDROMULCH SEEDING OF DISTURBED AREAS, COMPLETE IN PLACE	AC	2	\$1,400.00	\$2,800.00	\$1,500.00	\$3,000.00	\$1,050.00	\$2,100.00
15.	FULL-DEPTH SAW-CUT, COMPLETE IN PLACE	LF	1,853	\$9.00	\$16,677.00	\$8.50	\$15,750.50	\$2.20	\$4,076.60
SUBTOTAL EGYPT LANE PAVING AND DRAINAGE ITEMS					\$213,944.50		\$249,058.40		\$201,198.10

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ITEM	DESCRIPTION	UNIT	QTY	1) L.N. MCKEAN, INC.		2) HARRIS CONSTRUCTION COMPANY, LTD.		3) JERDON ENTERPRISE, L.P.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
BRANCH CROSSING DRIVE PAVING AND DRAINAGE ITEMS									
1.	CLEARING OF PROPOSED ROAD RIGHT-OF-WAY FOR CONSTRUCTION INCLUDES CLEARING AND REMOVAL, COMPLETE IN PLACE	AC	0.5	\$7,800.00	\$3,900.00	\$8,000.00	\$4,000.00	\$8,500.00	\$4,250.00
2.	SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT AND CURB, COMPLETE IN PLACE	LF	200	\$13.50	\$2,700.00	\$15.00	\$3,000.00	\$10.00	\$2,000.00
3.	COMMON ROADWAY EXCAVATION TO BE USED FOR ROADWAY FILL, INCLUDES EXCAVATION, HAULING, PLACEMENT AND COMPACTION, COMPLETE IN PLACE	CY	15	\$22.00	\$330.00	\$20.00	\$300.00	\$9.00	\$135.00
4.	6" CEMENT STABILIZED SUB-GRADE, COMPLETE IN PLACE	SY	102	\$3.40	\$346.80	\$15.00	\$1,530.00	\$4.70	\$479.40
5.	CEMENT FOR SUB-GRADE STABILIZATION (10% CEMENT BY WEIGHT), COMPLETE E IN PLACE	TON	3	\$136.00	\$408.00	\$190.00	\$570.00	\$110.00	\$330.00
6.	SEVEN-INCH REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	81	\$36.00	\$2,916.00	\$85.00	\$6,885.00	\$46.50	\$3,766.50
7.	6" CONCRETE CURB, COMPLETE IN PLACE	LF	186	\$2.40	\$446.40	\$5.25	\$976.50	\$3.30	\$613.80
8.	REMOVE 2" ASPHALTIC CONCRETE SHOULDERS (4' WIDE WITH 5" OF BASE MATERIAL), COMPLETE IN PLACE	SY	23	\$52.00	\$1,196.00	\$35.00	\$805.00	\$10.00	\$230.00
9.	REGRADE EXISTING ROADSIDE DITCHES AS PER CONSTRUCTION PLANS, INCLUDES EXCAVATION, HAULING, PLACEMENT, AND COMPACTION, COMPLETE IN PLACE	LF	30	\$12.00	\$360.00	\$8.00	\$240.00	\$2.00	\$60.00
10.	24" RCP STORM SEWER PIPE, COMPLETE IN PLACE	LF	15	\$97.00	\$1,455.00	\$54.50	\$817.50	\$100.00	\$1,500.00
11.	REMOVAL OF EXISTING CONCRETE SIDEWALK, (INCLUDES 24" STORM SEWER, BOLLARDS AND CHAIN), COMPLETE IN PLACE	SY	228	\$25.00	\$5,700.00	\$7.95	\$1,812.60	\$9.00	\$2,052.00
12.	8' WIDE, 4" THICK CONCRETE SIDEWALK, COMPLETE IN PLACE	SY	133	\$35.00	\$4,655.00	\$33.50	\$4,455.50	\$50.00	\$6,650.00
13.	HYDROMULCH SEEDING OF DISTURBED AREAS, COMPLETE IN PLACE	AC	0.5	\$1,400.00	\$700.00	\$1,500.00	\$750.00	\$1,450.00	\$725.00
SUBTOTAL BRANCH CROSSING DRIVE PAVING AND DRAINAGE ITEMS					\$25,113.20		\$26,142.10		\$22,791.70
MISCELLANEOUS ITEMS									
1.	WET SAND CONSTRUCTION (AS PER DETAIL), (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	50	\$20.00	\$1,000.00	\$20.00	\$1,000.00	\$20.00	\$1,000.00
2.	DEWATERING (TO BE USED ONLY AT WRITTEN DIRECTION OF ENGINEER), COMPLETE IN PLACE	LF	50	\$20.00	\$1,000.00	\$20.00	\$1,000.00	\$20.00	\$1,000.00
3.	EXTRA CLEARING AND GRUBBING, COMPLETE IN PLACE	AC	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
4.	STRIPPING MINIMUM 4-INCHES OF SURFACE MATERIAL, AND HAULING TO DISPOSAL AREA, COMPLETE IN PLACE	AC	1	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00	\$5,800.00	\$5,800.00
5.	SEEDING OF SIDE AND BACK OF LOT UTILITY EASEMENTS, COMPLETE IN PLACE	AC	1	\$875.00	\$875.00	\$825.00	\$825.00	\$750.00	\$750.00
6.	7" CONCRETE SEAL SLAB FOR BOX CULVERT, C.O.H. DWG. NO. 02317-07 (TO BE USED ONLY AT THE WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	LF	239	\$15.00	\$3,585.00	\$15.00	\$3,585.00	\$100.00	\$23,900.00
7.	4" CHANNEL LOCK WITH CABLE FOR ROADSIDE DITCHES (1% OR GREATER SLOPE) TOP OF BANK TO TOP OF BANK, COMPLETE IN PLACE	LF	10	\$40.00	\$400.00	\$1,000.00	\$10,000.00	\$60.00	\$600.00
8.	INCREASE IN CLEARING AND GRUBBING COST TO CHIP AND HAUL OUTSIDE (AT WRITTEN DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
9.	CEMENT STABILIZED SAND (AT WRITTEN DIRECTION BY THE ENGINEER), COMPLETE IN PLACE	CY	10	\$32.00	\$320.00	\$35.00	\$350.00	\$26.00	\$260.00
10.	EXTRA REINFORCED FILTER FABRIC FENCE, COMPLETE IN PLACE	LF	5,000	\$2.00	\$10,000.00	\$2.00	\$10,000.00	\$2.00	\$10,000.00
11.	STREET CLEANING (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	10	\$150.00	\$1,500.00	\$150.00	\$1,500.00	\$150.00	\$1,500.00
12.	ADJUSTMENT OF EXISTING INLET TOP, COMPLETE IN PLACE	EA	1	\$350.00	\$350.00	\$1,500.00	\$1,500.00	\$400.00	\$400.00
SUBTOTAL MISCELLANEOUS ITEMS					\$25,030.00		\$36,260.00		\$49,210.00

BID TABULATION FOR:

CONSTRUCTION OF THE DRAINAGE FACILITIES, PAVING & APPURTENANCES & TRAFFIC SIGNALS
 TO SERVE RESEARCH FOREST DRIVE
 WESTWOOD MAGNOLIA PARKWAY IMPROVEMENT DISTRICT
 CITY OF HOUSTON E.T.J., MONTGOMERY COUNTY, TEXAS
 DECEMBER 20, 2011
 LJA ENGINEERING, INC.
 S. ROSS
 DECEMBER 20, 2011
 1852-1002 (9.2)

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

ITEM DESCRIPTION	UNIT	QTY	1) L.N. MCKEAN, INC.		2) HARRIS CONSTRUCTION COMPANY, LTD.		3) JERDON ENTERPRISE, L.P.		
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
ALTERNATE BID NO. 1 ITEMS (RESEARCH FOREST DRIVE AND BRANCH CROSSING DRIVE SIGNAL)									
1. DRILL SHAFT (TRF SIG POLE) (36 IN), COMPLETE IN PLACE	LF	48	\$400.00	\$19,200.00	\$345.00	\$16,560.00	\$322.00	\$15,456.00	
2. CONC SIDEWALKS (6"), COMPLETE IN PLACE	SY	82	\$45.00	\$3,690.00	\$60.00	\$4,920.00	\$60.00	\$4,920.00	
3. SCHEDULE 80, PVC CONDUIT (2"), COMPLETE IN PLACE	LF	90	\$7.00	\$630.00	\$8.50	\$765.00	\$7.80	\$702.00	
4. SCHEDULE 80, PVC CONDUIT (3"), COMPLETE IN PLACE	LF	30	\$9.00	\$270.00	\$10.00	\$300.00	\$8.80	\$264.00	
5. SCHEDULE 80, PVC CONDUIT (4"), COMPLETE IN PLACE	LF	110	\$11.00	\$1,210.00	\$12.25	\$1,347.50	\$10.00	\$1,100.00	
6. BORING FOR SCHEDULE 80, PVC CONDUIT (4"), COMPLETE IN PLACE	LF	300	\$13.50	\$4,050.00	\$14.50	\$4,350.00	\$13.00	\$3,900.00	
7. ELEC CONDR (NO. 4) INSULATED, COMPLETE IN PLACE	LF	50	\$1.00	\$50.00	\$1.10	\$55.00	\$2.20	\$110.00	
8. ELEC CONDR (NO. 6) BARE, COMPLETE IN PLACE	LF	520	\$1.00	\$520.00	\$1.00	\$520.00	\$1.10	\$572.00	
9. GROUND BOX TY D (162922) W / APRON, COMPLETE IN PLACE	EA	5	\$630.00	\$3,150.00	\$685.00	\$3,425.00	\$1,650.00	\$8,250.00	
10. ELC SRV TY D 120 / 240 070 (NS) SS (E) SP (U), COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00	\$3,795.00	\$3,795.00	\$3,500.00	\$3,500.00	
11. INSTALL HWY TRF SIG (SYSTEM), COMPLETE IN PLACE	EA	1	\$80,000.00	\$80,000.00	\$8,500.00	\$8,500.00	\$60,000.00	\$60,000.00	
12. BACK PLATE (12 IN) (3 SEC), COMPLETE IN PLACE	EA	6	\$73.00	\$438.00	\$100.00	\$600.00	\$110.00	\$660.00	
13. VEH SIG SEC (12 IN) LED (HOUSING ONLY), COMPLETE IN PLACE	EA	18	\$150.00	\$2,700.00	\$150.00	\$2,700.00	\$120.00	\$2,160.00	
14. VEH SIG SEC (12 IN) LED (GRN), COMPLETE IN PLACE	EA	6	\$100.00	\$600.00	\$125.00	\$750.00	\$84.00	\$504.00	
15. VEH SIG SEC (12 IN) LED (YEL), COMPLETE IN PLACE	EA	6	\$100.00	\$600.00	\$125.00	\$750.00	\$84.00	\$504.00	
16. VEH SIG SEC (12 IN) LED (RED), COMPLETE IN PLACE	EA	6	\$80.00	\$480.00	\$125.00	\$750.00	\$84.00	\$504.00	
17. PED SIG SEC (12") (2 IND) (HOUSING ONLY), COMPLETE IN PLACE	EA	6	\$295.00	\$1,770.00	\$300.00	\$1,800.00	\$220.00	\$1,320.00	
18. TRF SIG CBL (TY A) (12 AWG) (2 CONDR), COMPLETE IN PLACE	LF	1,370	\$1.00	\$1,370.00	\$1.00	\$1,370.00	\$0.95	\$1,301.50	
19. TRF SIG CBL (TY A) (12 AWG) (4 CONDR), COMPLETE IN PLACE	LF	970	\$1.00	\$970.00	\$1.25	\$1,212.50	\$1.05	\$1,018.50	
20. TRF SIG CBL (TY A) (12 AWG) (7 CONDR), COMPLETE IN PLACE	LF	650	\$1.60	\$1,040.00	\$1.80	\$1,170.00	\$1.70	\$1,105.00	
21. INS TRF SIG PL AM (S) 1 ARM (40"), COMPLETE IN PLACE	EA	1	\$6,900.00	\$6,900.00	\$7,500.00	\$7,500.00	\$7,200.00	\$7,200.00	
22. INS TRF SIG PL AM (S) 1 ARM (40") LUM, COMPLETE IN PLACE	EA	1	\$8,800.00	\$8,800.00	\$9,500.00	\$9,500.00	\$8,000.00	\$8,000.00	
23. INS TRF SIG PL AM (S) 1 ARM (44") LUM, COMPLETE IN PLACE	EA	1	\$9,300.00	\$9,300.00	\$10,000.00	\$10,000.00	\$8,400.00	\$8,400.00	
24. PED POLE ASSEMBLY, COMPLETE IN PLACE	EA	4	\$1,200.00	\$4,800.00	\$1,500.00	\$6,000.00	\$2,000.00	\$8,000.00	
25. PED DETECT (2 IN PUSH BTN), COMPLETE IN PLACE	EA	6	\$200.00	\$1,200.00	\$225.00	\$1,350.00	\$220.00	\$1,320.00	
26. CCTV FIELD EQUIPMENT, COMPLETE IN PLACE	EA	2	\$3,500.00	\$7,000.00	\$4,000.00	\$8,000.00	\$3,600.00	\$7,200.00	
27. LED COUNTDOWN PEDESTRIAN MODULE, COMPLETE IN PLACE	EA	6	\$260.00	\$1,560.00	\$250.00	\$1,500.00	\$360.00	\$2,160.00	
28. BBU SYSTEM (EXTERNAL BATT CABINET), COMPLETE IN PLACE	EA	1	\$7,500.00	\$7,500.00	\$10,000.00	\$10,000.00	\$7,200.00	\$7,200.00	
SUBTOTAL ALTERNATE BID NO. 1 ITEMS (RESEARCH FOREST DRIVE AND BRANCH CROSSING DRIVE SIGNAL)				\$173,298.00		\$109,490.00		\$157,331.00	
ALTERNATE BID NO. 2 ITEMS (FIBER OPTIC INTERCONNECT EGYPT LANE TO BRANCH CROSSING DRIVE)									
1. SCHEDULE 80, PVC CONDUIT (2"), COMPLETE IN PLACE	LF	5,580	\$7.00	\$39,060.00	\$8.00	\$44,640.00	\$7.10	\$39,618.00	
2. BORING FOR SCHEDULE 80, PVC CONDUIT (2"), COMPLETE IN PLACE	LF	100	\$9.00	\$900.00	\$10.00	\$1,000.00	\$7.00	\$700.00	
3. ELEC CONDR (NO. 6) BARE, COMPLETE IN PLACE	LF	5,670	\$1.00	\$5,670.00	\$1.00	\$5,670.00	\$1.10	\$6,237.00	
4. FIBER OPTIC CBL (SNGLE-MODE) (12 FIBER), COMPLETE IN PLACE	LF	30	\$2.25	\$67.50	\$2.50	\$75.00	\$10.00	\$300.00	
5. FIBER OPTIC CBL (SNGLE-MODE) (48 FIBER), COMPLETE IN PLACE	LF	5,650	\$3.00	\$16,950.00	\$3.00	\$16,950.00	\$3.30	\$18,645.00	
SUBTOTAL ALTERNATE BID NO. 2 ITEMS (FIBER OPTIC INTERCONNECT EGYPT LANE TO BRANCH CROSSING DRIVE)				\$62,647.50		\$68,335.00		\$65,500.00	

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ITEM	DESCRIPTION	UNIT	QTY	1) L.N. MCKEAN, INC.		2) HARRIS CONSTRUCTION COMPANY, LTD.		3) JERDON ENTERPRISE, L.P.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
ALTERNATE BID NO. 3 ITEMS (FIBER OPTIC INTERCONNECT BRANCH CROSSING DRIVE TO KUYKENDAHL ROAD)									
1.	SCHEDULE 80, PVC CONDUIT (2"), COMPLETE IN PLACE	LF	6,050	\$6.50	\$39,325.00	\$8.00	\$48,400.00	\$7.10	\$42,955.00
2.	BORING FOR SCHEDULE 80, PVC CONDUIT (2"), COMPLETE IN PLACE	LF	440	\$9.00	\$3,960.00	\$10.00	\$4,400.00	\$7.00	\$3,080.00
3.	ELEC CONDR (NO. 6) BARE, COMPLETE IN PLACE	LF	6,480	\$1.00	\$6,480.00	\$1.00	\$6,480.00	\$1.10	\$7,128.00
4.	FIBER OPTIC CBL (SNGLE-MODE) (48 FIBER), COMPLETE IN PLACE	LF	6,570	\$3.00	\$19,710.00	\$3.00	\$19,710.00	\$3.30	\$21,681.00
SUBTOTAL ALTERNATE BID NO. 3 ITEMS (FIBER OPTIC INTERCONNECT BRANCH CROSSING DRIVE TO KUYKENDAHL RD)					\$69,475.00		\$78,990.00		\$74,844.00
BID SUMMARY									
SUBTOTAL RESEARCH FOREST DRIVE PAVING AND DRAINAGE ITEMS					\$1,792,051.50		\$1,741,536.25		\$1,977,848.80
SUBTOTAL RESEARCH FOREST DRIVE AND EGYPT LANE TRAFFIC SIGNAL ITEMS					\$225,494.00		\$239,725.00		\$208,340.00
SUBTOTAL EGYPT LANE PAVING AND DRAINAGE ITEMS					\$213,944.50		\$249,058.40		\$201,198.10
SUBTOTAL BRANCH CROSSING DRIVE PAVING AND DRAINAGE ITEMS					\$25,113.20		\$26,142.10		\$22,791.70
SUBTOTAL MISCELLANEOUS ITEMS					\$25,030.00		\$36,260.00		\$49,210.00
TOTAL AMOUNT BID					\$2,281,633.20		\$2,292,721.75		\$2,459,388.60
SUBTOTAL ALTERNATE BID NO. 1 ITEMS (RESEARCH FOREST DRIVE AND BRANCH CROSSING DRIVE SIGNAL)					\$173,298.00		\$109,490.00		\$157,331.00
SUBTOTAL ALTERNATE BID NO. 2 ITEMS (FIBER OPTIC INTERCONNECT EGYPT LANE TO BRANCH CROSSING DRIVE)					\$62,647.50		\$68,335.00		\$65,500.00
SUBTOTAL ALTERNATE BID NO. 3 ITEMS (FIBER OPTIC INTERCONNECT BRANCH CROSSING DRIVE TO KUYKENDAHL RD)					\$69,475.00		\$78,990.00		\$74,844.00
TOTAL AMOUNT BID INCLUDING ALTERNATE NOS. 1, 2 AND 3					\$2,587,053.70		\$2,549,536.75		\$2,757,063.60