



Fort Bend County Engineering
FORT BEND COUNTY, TEXAS

Richard W. Stolleis, P.E.
County Engineer

MEMORANDUM

June 24, 2014

TO: Members of the Commissioners Court

RE: Lexington Boulevard Project

The total cost for the project is paid by the County in accordance with the approved project Interlocal Agreement. The available project encumbrance for Lexington Boulevard, Texas Parkway to Scanlin Road, Project X17, is \$2,213,355.00. The funding shortfall of \$846,773.38 will be appropriated from the 2013 Mobility Project, Watts Plantation, Sienna Parkway to Knight Road, Project No. 13212.

CC: Ed Sturdivant, County Auditor



Public Works

1522 Texas Parkway
Missouri City, Texas 77489

Phone: 281.403.8500
www.missouricitytx.gov

June 13, 2014

Fort Bend County
Mr. Richard W. Stolleis, P.E.
1124 Blume Road
Rosenberg, Texas 77471

RE: Lexington Extension - Request for Payment

Dear Mr. Stolleis:

The City is requesting payment for the construction of the improvements along Lexington Blvd. These costs include:

<u>Service</u>	<u>Cost</u>
Construction Services (w/ Contingencies)	\$2,961,412.38
Materials Testing Services	\$74,376
Project Oversight Services	\$21,840
Utility Connections	\$2,500
Total Cost:	\$3,060,128.38

Please consider this letter as your notification that a payment of \$3,060,128.38 is now due and payable to the City of Missouri City for the funding participation for this project.

If you have any questions or concerns please feel free to contact me at 281-403-8578.

Sincerely,

Valerie Marvin
Assistant Director, Public Works

CC: Jillian Hernandez - FBC

Attachment: Construction Cost
Materials Testing Services Proposal

099-14 Exhibit A - Bid Sheet

IFB # 099-14 Construction of Drainage, Pavement Improvements, and Traffic Signal Installation for Lexington Boulevard Extension

Line	Description	Unit	Amount
1	Paving & Drainage - Lump Sum Price		\$ 2,515,830.00
2	Traffic Signal - Lump Sum Price		\$ 445,582.38
3	Contract Total (Sum of lines 1 and 2) - Lump Sum Price		\$ 2,961,412.38
4	Calendar days to complete paving and drainage	# Days	250
5	Additional calendar day to complete signalization	# Days	20
	Total Project Calendar Days for Completion of line 2 plus line 3	# Days	270

Paving and Drainage Items

ITEM 1	UNIT	UNIT COST	QTY.	TOTAL COST
PAVING				
1. 8" REINFORCED CONCRETE	SY	\$51.10	13298	\$679,527.80
2. 6" REINFORCED CONCRETE CURB	LF	\$4.00	8271	\$33,084.00
3. 6" LIME STABILIZED SUBGRADE	SY	\$2.20	15219	\$33,481.80
4. LIME FOR SUBGRADE STABILIZATION (44 LBS/SY)	TON	\$155.00	346	\$53,630.00
5. ROADWAY EXCAVATION TO BE USED FOR ON SITE ROADWAY FILL	CY	\$8.50	2147	\$18,249.50
6. EXCESS ROADWAY EXCAVATION TO BE HAULED TO SPOILS SITE AND COMPACTED	CY	\$10.00	1651	\$16,510.00
7. PERMANENT TRAFFIC CONTROL DEVICES AND SIGNS FOR MAJOR BOULEVARD	LS	\$3,000.00	1	\$3,000.00
8. IRRIGATION SLEEVE, 6" PVC SCHEDULE 40, COMPLETE IN PLACE	LF	\$22.50	296	\$6,660.00
9. REMOVE EXISTING TYPE III BARRICADE	EA	\$100.00	2	\$200.00
10. INSTALL TYPE III BARRICADE	EA	\$980.00	1	\$980.00
11. PAVING HEADER	EA	\$915.00	1	\$915.00
12. 6' WHEELCHAIR RAMPS	EA	\$1,430.00	2	\$2,860.00
13. 4" SQUARE DOUBLE REFLECTORIZED BLUE TRAFFIC BUTTON FOR FIRE HYDRANT LOCATION	EA	\$10.00	4	\$40.00
14. ADDITIONAL 6" LIME STABILIZED SUBGRADE TO BE USED AS DIRECTED BY THE ENGINEER	SY	\$2.20	7609.5	\$16,740.90
15. ADDITIONAL COST FOR 5-1/2 SACK CONCRETE FOR 8-INCH PAVEMENT	SY	\$51.10	6649	\$339,763.90
16. ADDITIONAL LIME FOR SUBGRADE PREPARATION, TO BE USED ONLY BY DIRECTION OF ENGINEER	TON	\$155.00	173	\$26,815.00
17. TREE REMOVAL	LS	\$2,000.00	1	\$2,000.00
18. 2' SAW CUT INCLUDING REMOVAL/DISPOSAL & CONNECT PROP. TO EXIST. PAVEMENT	LF	\$9.00	280	\$2,520.00
19. REMOVE EXISTING 6' SIDEWALK	LF	\$2.50	101	\$252.50
20. REMOVE PAVEMENT MEDIAN ON TEXAS PARKWAY	LF	\$2.50	17	\$42.50
SUBTOTAL - ITEM 1 - (PAVEMENT) =				\$1,237,272.90

ITEM 2
WATER

1. 12" PVC WATER PIPE, C-900, DR 18, (AS NEEDED - TO BE USED ONLY BY DIRECTION OF ENGINEER)
2. RELOCATE 12" AWWA GATE VALVE & BOX
3. RELOCATE EXIST. FLUSHING VALVE UNIT
4. ADJUST EXIST. BLOW OFF VALVE ASSEMBLY TO FINISHED GRADE
5. 12" x 45" BENDS (TO BE USED ONLY BY DIRECTION OF ENGINEER)
6. TRENCH SAFETY SYSTEM, ALL DEPTHS

UNIT	UNIT COST	QTY.	TOTAL COST
LF	\$65	250	\$16,250.00
EA	\$1,000	1	\$1,000.00
EA	\$1,000	4	\$4,000.00
EA	\$500	1	\$500.00
EA	\$70	4	\$280.00
LF	\$1	250	\$250.00
SUBTOTAL - ITEM 2 - (WATER) =			\$22,280.00

ITEM 3
SANITARY SEWER

1. ROTATE AND ADJUST CONE OF MANHOLE (TO BE USED ONLY BY DIRECTION OF ENGINEER)
2. ADJUST EXISTING SANITARY SEWER MANHOLES

UNIT	UNIT COST	QTY.	TOTAL COST
EA	\$400.00	1	\$400.00
EA	\$400.00	6	\$2,400.00
SUBTOTAL - ITEM 3 - (SANITARY SEWER) =			\$2,800.00

ITEM 4
STORM SEWER

1. 18" ARCH PIPE STORM SEWER, ASTM C-506
2. 24" RCP STORM SEWER, ASTM C-76 (CULVERT)
3. 24" RCP STORM SEWER, ASTM C-76
4. 30" RCP STORM SEWER, ASTM C-76
5. 36" RCP STORM SEWER, ASTM C-76
6. 54" RCP STORM SEWER, ASTM C-76
7. 6' X 4' RCB STORM SEWER, ASTM C-1433
8. 8' X 4' RCB STORM SEWER, ASTM C-1433
9. TUNNEL BORE FOR 5' X 4' RCB, EXCLUDES BOX
10. 10' X 10' JUNCTION BOX W/TYPE 'C' MANHOLE TOP
11. 8' X 4' RCB STORM OUTFALL STRUCTURE INCLUDES SLOPE PAVING
12. STAGE I-STD. 5' PRECAST INLET ("H-2") ALL DEPTHS
13. STAGE II-STD. 5' PRECAST INLET ("H-2") ALL DEPTHS
14. STAGE I - 10' PRECAST INLET, ALL DEPTHS
15. STAGE II - 10' PRECAST INLET, ALL DEPTHS
16. TYPE "C" MH FOR 42" STORM SEWERS & SMALLER, ALL DEPTHS
17. TYPE "C" MH FOR 48" TO 72" STORM SEWER, ALL DEPTHS
18. SAFETY END TREATMENT AND SLOPE PAVING FOR 18" ARCH PIPE
19. SAFETY END TREATMENT AND SLOPE PAVING FOR 24" ARCH PIPE
20. REGRADE EXISTING ROADSIDE DITCH

UNIT	UNIT COST	QTY.	TOTAL COST
LF	\$114.00	111	\$12,654.00
LF	\$83.30	128	\$10,662.40
LF	\$81.00	922	\$74,682.00
LF	\$107.00	759	\$81,213.00
LF	\$132.00	821	\$108,372.00
LF	\$231.00	1137	\$262,647.00
LF	\$228.00	140	\$31,920.00
LF	\$590.00	371	\$218,890.00
LF	\$485.00	140	\$67,900.00
EA	\$8,600.00	2	\$17,200.00
EA	\$11,442.00	1	\$11,442.00
EA	\$1,175.00	11	\$12,925.00
EA	\$1,175.00	11	\$12,925.00
EA	\$2,332.00	2	\$4,664.00
EA	\$2,332.00	2	\$4,664.00
EA	\$4,534.00	14	\$63,476.00
EA	\$6,513.00	3	\$19,539.00
EA	\$2,230.00	2	\$4,460.00
EA	\$2,330.00	2	\$4,660.00
LF	\$15.00	600	\$9,000.00

21. UTILITY SPOIL TO BE STOCKPILED ONSITE
22. TYPE "E" INLET, INLET TOP TO BE FLUSH WITH NATURAL GROUND
23. CUSTOM SIZE JUNCTION BOX W/TYPE "C" MANHOLE TOP (INCLUDES CONNECTION OF EXISTING UTILITIES)
24. FINAL ADJUSTMENT OF MANHOLE RIM ELEVATIONS
25. REMOVE AND DISPOSE OF EXIST. 48" RCP STORM SEWER
26. REMOVE AND DISPOSE OF EXIST. 66" RCP STORM SEWER
27. REMOVE AND DISPOSE OF EXIST. 72" CGMP STORM SEWER
28. REMOVE EXIST. STORM MANHOLE
29. REMOVE EXIST. JUNCTION BOX
30. DRY UTILITY RELOCATION
31. METHOD "A" CONSTRUCTION STAKING
32. CONFLICT MANHOLE (TO BE USED ONLY AS DIRECTED BY ENGINEER IN THE CASE OF A CONFLICT)
33. ZERO LOAD TRANSFER SLAB
34. DEWATERING, TO BE USED ONLY AS DIRECTED BY ENGINEER
35. TRENCH SAFETY SYSTEM, ALL DEPTHS

CY	\$6.00	6266	\$37,596.00
EA	\$975.00	5	\$4,875.00
EA	\$10,000.00	1	\$10,000.00
EA	\$300.00	15	\$4,500.00
LF	\$20.00	26	\$520.00
LF	\$28.00	277	\$7,756.00
LF	\$31.50	66	\$2,079.00
EA	\$500.00	2	\$1,000.00
EA	\$800.00	1	\$800.00
LS	\$10,000.00	1	\$10,000.00
LS	\$10,000.00	1	\$10,000.00
EA	\$5,000.00	1	\$5,000.00
LF	\$155.00	110	\$17,050.00
LF	\$32.00	2200	\$70,400.00
LF	\$1	4,758	\$4,758.00
SUBTOTAL - ITEM 4 - (STORM SEWER) =			\$1,220,229.40

ITEM 5**MISCELLANEOUS ITEMS**

1. CLEARING AND GRUBBING
2. SELECT CLEARING AND GRUBBING WITHIN STREET R.O.W. (TO BE USED ONLY AS DIRECTED BY ENGINEER)
3. CITY OF MISSOURI CITY CONSTRUCTION PERMIT
4. INSTALLATION AND REMOVAL OF STABILIZED CONSTRUCTION EXIT
5. INLET PROTECTION BARRIERS, COMPLETE IN PLACE
6. INSTALLATION AND REMOVAL OF REINFORCED FILTER FABRIC FENCE
7. CLEARING AND GRUBBING (STRIPPING) OF PUBLIC UTILITY EASEMENTS

UNIT	UNIT COST	QTY.	TOTAL COST
AC	\$1,350.00	5.03	\$6,790.50
AC	\$2,100.00	1	\$2,100.00
EA	\$7,200.00	1	\$7,200.00
EA	\$1,430.00	2	\$2,860.00
EA	\$45.00	18	\$810.00
LF	\$2.00	6002	\$12,004.00
AC	\$2,060.00	0.72	\$1,483.20

SUBTOTAL - ITEM 5 - (SANITARY SEWER) = \$33,247.70

NON TRAFFIC ITEMS SUBTOTAL \$2,515,830.00

Traffic Signal Items

THESE ITEMS REFERENCE TxDOT STANDARD SPECIFICATIONS

ITEM NO.	DESC. CODE	DESCRIPTION	UNIT	TEXAS PKWY @ LEXINGTON BLVD		
				EST.	Unit Cost	Total Cost
416	2034	DRILL SHAFT (TRF SIG POLE) (48 IN)	LF	88	\$330.00	29040.00
		HYDRO EXCAVATION AT ALL FOUR DRILL LOCATIONS	Day	1	\$3,526.00	3526.00
531	2040	CURB RAMP (TY 5)	EA	4	\$1,365.00	5460.00
618	2034	CONDUIT (PVC) (SCHD 80) (2")	LF	200	\$7.40	1480.00
618	2038	CONDUIT (PVC) (SCHD 80) (3")	LF	200	\$17.60	3520.00
618	2039	CONDUIT (PVC) (SCHD 80) (3") (BORE)	LF	250	\$17.60	4400.00
618	2040	CONDUIT (PVC) (SCHD 80) (4")	LF	100	\$22.20	2220.00
618	2041	CONDUIT (PVC) (SCHD 80) (4") (BORE)	LF	250	\$22.20	5550.00
620	2009	ELEC CONDR (NO. 6) BARE	LF	1,750	\$1.20	2100.00
621	2004	TRAY CABLE (4 CONDR) (12 AWG)	LF	850	\$1.70	1445.00
624	2004	GROUND BOX TY 2 (243636) W/APRON	EA	1	\$1,365.00	1365.00
624	2014	GROUND BOX TY D (162922) W/APRON	EA	4	\$853.00	3412.00
628	2101	ELC SRV TY D 120/240 070 (NS) SS (E) SP (U)	EA	1	\$4,778.00	4778.00
644	2004	INS SM RD SN SUP&AM TY 10 BWG(1) SA(T) (W9-2B)	EA	4	\$409.00	1636.00

METRO CITY CONSTRUCTION, L.P.

666	2003	THERMOPLASTIC REFL PAV MRK TY I (W) (4") (BRK) (100MIL)	LF	800	\$0.50	400.00
666	2012	THERMOPLASTIC REFL PAV MRK TY I (W) (4") (SLD) (100 MIL)	LF	200	\$0.50	100.00
666	2036	THERMOPLASTIC REFL PAV MRK TY I (W) (8") (SLD) (100 MIL)	LF	600	\$1.00	600.00
666	2042	THERMOPLASTIC REFL PAV MRK TY I (W) (12") (SLD) (100 MIL)	LF	700	\$2.20	1540.00
666	2048	THERMOPLASTIC REFL PAV MRK TY I (W) (24") (SLD) (100 MIL)	LF	200	\$4.60	920.00
666	2054	THERMOPLASTIC REFL PAV MRK TY I (W) (ARROW) (100 MIL)	EA	8	\$125.00	1000.00
666	2096	THERMOPLASTIC REFL PAV MRK TY I (W) (WORD) (100 MIL)	EA	6	\$125.00	750.00
666	2188	THERMOPLASTIC REFL PAV MRK TY II (Y) (MEDIAN NOSE) (100 MIL)	LF	600	\$2.80	1680.00
666	2189	PAVEMENT SEALER 4"	LF	800	\$0.20	160.00
666	2191	PAVEMENT SEALER 8"	LF	600	\$0.20	120.00
666	2193	PAVEMENT SEALER 12"	LF	700	\$0.40	280.00
666	2195	PAVEMENT SEALER 24"	LF	200	\$0.60	120.00
666	2219	PAVEMENT SEALER (ARROW)	EA	8	\$22.60	180.80
666	2220	PAVEMENT SEALER (WORD)	EA	6	\$34.13	204.78
666	2221	PAVEMENT SEALER (MED NOSE)	EA	2	\$1.00	2.00
672	2012	REFL PAV MRKR TY I-C	EA	85	\$4.60	391.00
677	2001	ELIM EXT PAV MRK (4")	LF	640	\$0.60	384.00
677	2005	ELIM EXT PAV MRK (12")	LF	150	\$2.00	300.00
677	2007	ELIM EXT PAV MRK (24")	LF	40	\$29.00	1160.00
678	2001	PAV SURF PREP FOR MRK (4")	LF	800	\$0.20	160.00
678	2003	PAV SURF PREP FOR MRK (8")	LF	600	\$0.20	120.00
678	2004	PAV SURF PREP FOR MRK (12")	LF	700	\$0.20	140.00
678	2006	PAV SURF PREP FOR MRK (24")	LF	200	\$0.30	60.00
678	2007	PAV SURF PREP FOR MRK (ARROW)	EA	8	\$8.50	68.00
678	2012	PAV SURF PREP FOR MRK (MED NOSE)	EA	2	\$68.00	136.00
678	2018	PAV SURF PREP FOR MRK (WORD)	EA	6	\$10.30	61.80
680	2003	INSTALL HWY TRF SIG (SYSTEM)	EA	1		
		CONTROLLER, FULL TRAF ACTUATED, ETHERNET, SOLID STATE NAZTEC NEMA TS-2 W/TIME BASE	EA	1		
		CONTROLLER FOUNDATION, TS-2 CABINET	EA	1		
		AUXILIARY DISCONNECT AND P.E. LOAD CENTER	EA	1		
		SIGN, "PEDESTRIAN PUSH BUTTON" (SYMBOL TYPE) (9" X 12") (R10-3ER)	EA	8		
		SIGN, "TEXAS PARKWAY"	EA	2		
		SIGN, "LEXINGTON BLVD"	EA	2		
		SIGN, "LEFT TURN YIELD ON FLASHING ARROW" (30" X 36")	EA	4		
		TRAF SIG CBL (TY A) (20 AWG) (3 CONDR)	LF	1,000		
		ERMS, OPTICOM SYSTEM DETECTORS	EA	4		
		ERMS, OPTICOM SYSTEM PHASE SELECTOR (4 PHASE) (3M 764)	EA	1		
		POWER SUPPLY	EA	1		
		ROD, 5/8" X 10' COPPER GROUND (CONTROLLER ONLY)	EA	1		
		ALPHA BATTERY BACKUP SYSTEMS FX 2000 W/ALPHA GUARD SYSTEM	EA	1		
		WIND DAMPING PLATES	EA	4		
682	2001	BACK PLATE (12 IN) (3 SEC)	EA	8	\$170.00	1360.00
682	2002	BACK PLATE (12 IN) (4 SEC)	EA	4	\$227.00	908.00
682	2014	PED SIG SEC (12 IN) LED (2 INDICATIONS) (COUNTDOWN MODULE FUNCTION TYPE)	EA	8	\$284.00	2272.00
682	2022	VEH SIG SEC (12 IN) LED (GRN ARW)	EA	4	\$227.00	908.00
682	2023	VEH SIG SEC (12 IN) LED (GRN)	EA	8	\$227.00	1816.00
682	2024	VEH SIG SEC (12 IN) LED (YEL ARW)	EA	8	\$227.00	1816.00
682	2025	VEH SIG SEC (12 IN) LED (YEL)	EA	8	\$227.00	1816.00
682	2026	VEH SIG SEC (12 IN) LED (RED ARW)	EA	4	\$227.00	908.00
682	2027	VEH SIG SEC (12 IN) LED (RED)	EA	8	\$227.00	1816.00
684	2007	TRF SIG CBL (TY A) (12 AWG) (2 CONDR)	LF	1,400	\$0.60	840.00
684	2009	TRF SIG CBL (TY A) (12 AWG) (4 CONDR)	LF	1,400	\$1.20	1680.00
684	2012	TRF SIG CBL (TY A) (12 AWG) (7 CONDR)	LF	1,600	\$2.30	3680.00
*686	2053	INS TRAF SIG PL AM (S) 1 ARM (50') LUM	EA	2	\$27,300.00	54600.00
*686	2061	INS TRAF SIG PL AM (S) 1 ARM (60') LUM	EA	2	\$28,441.00	56882.00
**687	2001	PED POLE ASSEMBLY	EA	4	\$2,048.00	8192.00
688	2001	PED DETECT (2 INCH PUSH BTN)	EA	8	\$1,593.00	12744.00
6266	2001	VIVDS PROCESSOR SYSTEM (ENCORE)	EA	1	\$3,982.00	3982.00

\$106,311.00

106311.00

METRO CITY CONSTRUCTION, L.P.

6266	2002	VIVDS CAMERA ASSEMBLY	EA	8	\$6,257.00	50056.00
6266	2003	VIVDS SET-UP SYSTEM	EA	1	\$1,706.00	1706.00
6266	2004	VIVDS CENTRAL CONTROL	EA	1	\$1,137.00	1137.00
6266	2005	VIVDS COMMUNICATION CABLE (AUTOSCOPE ENCORE 3/C #18)	LF	2,000	\$2.30	4600.00
8260	2001	LED COUNTDOWN PEDESTRIAN MODULE (9" NUMBERS)	EA	8	\$228.00	1824.00

ITS ITEMS QUANTITIES						
ITEM NO.	DESC. CODE	DESCRIPTION	UNIT	EST.	Unit Cost	Total Cost
6920	2001	CCTV FIELD EQUIPMENT	EA	1	6257.00	6257.00
		VIDEO PROCESSOR	EA	1		
		SIDEWINDER STD H.264 DIGITAL SMART IP ADDRESSABLE PTZ CAMERA W/LICENSE ***	EA	1		
		LOCAL CONTROL PANEL	EA	1		
		ETHERNET CABLE CAT5	LF	80	1.20	96.00
		RUGGED COM ETHERNET SWITCH WITH 2 FIBER PORTS, MODEL #RS900G	EA	1	3413.00	3413.00
		TRAFFICWARE STREET SYNC MODULE AND STREET SYNC FIELD UPLOAD/DOWNLOAD DEVICE	EA	1	9670.00	9670.00
6006	2001	ALVARION BREEZE ACCESS VL 54MB .5.8GHZ ETHERNET RADIO****	EA	1	22753.00	22753.00
6006	2005	ANTENNA		1	569.00	569.00
					TOTAL PRICE	445582.38



March 13, 2014

Jessica M. Kelley
Project Manager
City of Missouri City
1522 Texas Parkway
Missouri City, Texas 77489

RE: Cost Estimate for 480 Lexington Blvd

Dear Ms. Kelley:

Associated Testing Laboratories is pleased to be working with the City of Missouri City. We look forward to working with you on this project. We understand the scope of our services for this assignment will be providing Construction Materials Testing Services.

The following page is a cost estimate of the CMT services for the 480 Lexington Blvd. project based on what we believe the project requires. Please feel free to contact us to discuss our proposal if there are changes that you may require.

Thank you for the opportunity to work with you in serving City of Missouri City.

Sincerely,

Jasbir Singh, PE
President

Associated Testing Laboratories, Inc.3143 Yellowstone Blvd
Houston, Tx-77054

Description	Quantity	Units	Amount
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PERSONNEL

Project Engineer, P.E	26.00	Hour	\$2,496.00
Technician	940.00	Hour	\$56,030.00
Subtotal:			\$58,526.00

SOILS & TREATED SOILS

Liquid & Plastic Limits(ASTM D-4318)	5.00	Each	\$265.00
Percent passing #200 Sieve(ASTM D-1140)	2.00	Each	\$82.00
OMD Standard Compaction(ASTM D-698)	2.00	Each	\$350.00
OMD Stabilized Soil(ASTM D-698 or D-1557)	4.00	Each	\$772.00
Lime Series- 4 Point	4.00	Each	\$832.00
Cement Content(ASTM D-806)	12.00	Each	\$3,228.00
Nuclear Density Equipment Rental	500.00	Hour	\$4,500.00
Cement Sand Comp. Strength(ASTM D-1633)	48.00	Each	\$2,928.00
Subtotal:			\$12,957.00

PORTLAND CEMENT CONCRETE

Mix Design Review (Statistical Analysis)	3.00	Each	\$345.00
Cylinder Test(ASTM C-39)	112.00	Each	\$1,680.00
Subtotal:			\$2,025.00

HMAC

Extraction/Gradation(TEX -210 F)	2.00	Each	\$348.00
HVEEM Stability (TEX-208F)	2.00	set	\$164.00
Bulk Density- Lab Molded or Core(TEX-207F)	2.00	set	\$92.00
Molding Specimens 3/set(TEX-206F)	2.00	set	\$108.00
Maximum Theoretical Specific Gravity(TEX-227F)	2.00	Each	\$156.00
Subtotal:			\$868.00

GRAND TOTAL: \$74,376.00**PROJECT COST: \$2,462,860.00****365 calinder days**