

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-01  
ROAD: Bellaire Boulevard  
LIMITS: FROM: Lakehead Ln  
              TO: S. Mason Rd  
LENGTH: FEET = 2400  
              MILES = 0.45  
  
DESCRIPTION: Connect Lakehead Ln to S. Mason Rd  
                  Construct 4-Lane Divided Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	259,956.40
RIGHT OF WAY	\$	1,671,600.00
CONST. PHASE SERVICES	\$	155,973.84
CONSTRUCTION	\$	2,599,564.00
<b>TOTAL</b>	<b>\$</b>	<b>4,687,094.24</b>

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	24.00	\$ 5,000.00	\$ 120,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
2-LANE C&G (32' F-F)	STA		\$ 16,000.00	\$ -	
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	24.00	\$ 36,000.00	\$ 864,000.00	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
RECONSTRUCTION/WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	24.00	\$ 20,000.00	\$ 480,000.00	
CROSS CULVERT	EA	2	\$ 25,000.00	\$ 50,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 1,514,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 1,500.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 3,500.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 6,500.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 6,500.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-01  
ROAD: Bellaire Boulevard  
LIMITS: FROM: Lakehead Ln  
              TO: S. Mason Rd  
LENGTH: FEET = 2400  
              MILES = 0.45  
  
DESCRIPTION: Connect Lakehead Ln to S. Mason Rd  
                  Construct 4-Lane Divided Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	259,956.40
RIGHT OF WAY	\$	1,671,600.00
CONST. PHASE SERVICES	\$	155,973.84
CONSTRUCTION	\$	2,599,564.00
<b>TOTAL</b>	<b>\$</b>	<b>4,687,094.24</b>

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	0.45	\$ 200,000.00	\$ 90,000.00	
SIGNING & PAVEMENT MARKINGS	STA	24.00	\$ 600.00	\$ 14,400.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	24.00	\$ 2,000.00	\$ 48,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 152,400.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	1.56	\$ 50,000.00	\$ 78,000.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA	24.00	\$ 10,000.00	\$ 240,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 318,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 19,844.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 99,220.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 496,100.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 2,599,564.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-01  
ROAD: Bellaire Boulevard  
LIMITS: FROM: Lakehead Ln  
              TO: S. Mason Rd  
LENGTH: FEET = 2400  
              MILES = 0.45  
DESCRIPTION: Connect Lakehead Ln to S. Mason Rd  
                  Construct 4-Lane Divided Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	259,956.40
RIGHT OF WAY	\$	1,671,600.00
CONST. PHASE SERVICES	\$	155,973.84
CONSTRUCTION	\$	2,599,564.00
<b>TOTAL</b>	<b>\$</b>	<b>4,687,094.24</b>

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 103,982.56	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 155,973.84	
<b>SUBTOTAL ENGINEERING</b>				\$ 259,956.40	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 51,991.28	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 103,982.56	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 155,973.84	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	288000	\$ 5.70	\$ 1,641,600.00	2400' X 120'
HARD CORNERS	SF		\$ 5.70	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	3	\$ 10,000.00	\$ 30,000.00	
PIPELINE RELOCATION	EA				
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 1,671,600.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 259,956.40	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 1,671,600.00	
CONSTRUCTION PHASE SERVICES				\$ 155,973.84	
CONSTRUCTION				\$ 2,599,564.00	
<b>TOTAL PROJECT COST</b>				\$ 4,687,094.24	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-02  
ROAD: Bellaire Boulevard  
LIMITS: FROM: Lakemont Bend Ln  
TO: Sierra Bend Dr  
LENGTH: FEET = 1415  
MILES = 0.27  
DESCRIPTION: Connect Lakemont Bend to Sierra Bend  
4-Lane Divided Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	150,052.64
RIGHT OF WAY	\$	1,287,860.00
CONST. PHASE SERVICES	\$	90,031.58
CONSTRUCTION	\$	1,500,526.40
TOTAL	\$	3,028,470.62

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	14.15	\$ 5,000.00	\$ 70,750.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
2-LANE C&G (32' F-F)	STA		\$ 16,000.00	\$ -	
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	14.15	\$ 36,000.00	\$ 509,400.00	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
RECONSTRUCTION/WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	14.15	\$ 20,000.00	\$ 283,000.00	
CROSS CULVERT	EA	2	\$ 25,000.00	\$ 50,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 913,150.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 1,500.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 3,500.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 6,500.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 6,500.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-02  
ROAD: Bellaire Boulevard  
LIMITS: FROM: Lakemont Bend Ln  
TO: Sierra Bend Dr  
LENGTH: FEET = 1415  
MILES = 0.27  
DESCRIPTION: Connect Lakemont Bend to Sierra Bend  
4-Lane Divided Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	150,052.64
RIGHT OF WAY	\$	1,287,860.00
CONST. PHASE SERVICES	\$	90,031.58
CONSTRUCTION	\$	1,500,526.40
<b>TOTAL</b>	<b>\$</b>	<b>3,028,470.62</b>

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	0.27	\$ 200,000.00	\$ 54,000.00	
SIGNING & PAVEMENT MARKINGS	STA	14.15	\$ 600.00	\$ 8,490.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	14.15	\$ 2,000.00	\$ 28,300.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 90,790.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA	14.15	\$ 10,000.00	\$ 141,500.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 141,500.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 11,454.40	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 57,272.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 286,360.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 1,500,526.40	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-02  
ROAD: Bellaire Boulevard  
LIMITS: FROM: Lakemont Bend Ln  
              TO: Sierra Bend Dr  
LENGTH: FEET = 1415  
              MILES = 0.27  
  
DESCRIPTION: Connect Lakemont Bend to Sierra Bend  
                  4-Lane Divided Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	150,052.64
RIGHT OF WAY	\$	1,287,860.00
CONST. PHASE SERVICES	\$	90,031.58
CONSTRUCTION	\$	1,500,526.40
<b>TOTAL</b>	<b>\$</b>	<b>3,028,470.62</b>

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 60,021.06	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 90,031.58	
<b>SUBTOTAL ENGINEERING</b>				<b>\$ 150,052.64</b>	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 30,010.53	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 60,021.06	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				<b>\$ 90,031.58</b>	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	169800	\$ 5.70	\$ 967,860.00	1415' x 120'
HARD CORNERS	SF		\$ 5.70	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	2	\$ 10,000.00	\$ 20,000.00	
PIPELINE RELOCATION (under 8")	EA	1	\$ 300,000.00	\$ 300,000.00	5" Gas
PIPELINE RELOCATION (8'-16")	EA		\$ 600,000.00	\$ -	
PIPELINE RELOCATION (above 16")	EA		\$ 800,000.00	\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				<b>\$ 1,287,860.00</b>	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 150,052.64	
RIGHT OF WAY				\$ 1,287,860.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 90,031.58	materials testing & constr. eng
CONSTRUCTION				\$ 1,500,526.40	
<b>TOTAL PROJECT COST</b>				<b>\$ 3,028,470.62</b>	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-03  
ROAD: Bellaire Boulevard at TXI tract  
LIMITS: FROM: Harlem Rd  
            TO: FM 1464 (Clodine Rd)  
LENGTH: FEET = 8140  
            MILES = 1.54

DESCRIPTION: Construct 4-Lane Divided Conc Curb & Gutter  
5103' of 4-lanes from Harlem to Westmoor Dr  
1767' of 2-lanes from Westmoor Dr to W Oaks  
Village Dr  
1270' of 2-lanes from W Oaks Village Dr to 565'  
W of FM 1464

**COST SUMMARY**

ENGINEERING	\$	901,953.34
RIGHT OF WAY	\$	5,637,760.00
CONST. PHASE SERVICES	\$	541,172.00
CONSTRUCTION	\$	9,019,533.40
<b>TOTAL</b>	<b>\$</b>	<b>16,100,418.74</b>

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	81.40	\$ 5,000.00	\$ 407,000.00	
CONCRETE PAVEMENT					Paving items are inclusive of subgrade, base, surface, and earthwork
2-LANE C&G (32' F-F)	STA		\$ 16,000.00	\$ -	
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	66.50	\$ 36,000.00	\$ 2,394,000.00	51 Full Sta + 31 Half Sta
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
RECONSTRUCTION/WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF	12000	\$ 65.00	\$ 780,000.00	2-200'x30' Bridges at Channel Crossings
STORM SEWER SYSTEM	STA	81.40	\$ 20,000.00	\$ 1,628,000.00	
CROSS CULVERT	EA	5	\$ 25,000.00	\$ 125,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				<b>\$ 5,334,000.00</b>	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 1,500.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 3,500.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 6,500.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 6,500.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				<b>\$ -</b>	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-03  
ROAD: Bellaire Boulevard at TXI tract  
LIMITS: FROM: Harlem Rd  
            TO: FM 1464 (Clodine Rd)  
LENGTH: FEET = 8140  
            MILES = 1.54

DESCRIPTION: Construct 4-Lane Divided Conc Curb & Gutter  
5103' of 4-lanes from Harlem to Westmoor Dr  
1767' of 2-lanes from Westmoor Dr to W Oaks  
Village Dr  
1270' of 2-lanes from W Oaks Village Dr to 565'

**COST SUMMARY**

ENGINEERING	\$	901,953.34
RIGHT OF WAY	\$	5,637,760.00
CONST. PHASE SERVICES	\$	541,172.00
CONSTRUCTION	\$	9,019,533.40
<b>TOTAL</b>	<b>\$</b>	<b>16,100,418.74</b>

PREPARED BY: Matthew Estes

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	1.54	\$ 200,000.00	\$ 308,000.00	
SIGNING & PAVEMENT MARKINGS	STA	81.40	\$ 600.00	\$ 48,840.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	81.40	\$ 2,000.00	\$ 162,800.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 519,640.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	4.35	\$ 50,000.00	\$ 217,500.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA	81.40	\$ 10,000.00	\$ 814,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 1,031,500.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 68,851.40	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 344,257.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,721,285.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 9,019,533.40	



**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-03  
ROAD: Bellaire Boulevard at TXI tract  
LIMITS: FROM: Harlem Rd  
            TO: FM 1464 (Clodine Rd)  
LENGTH: FEET = 8140  
            MILES = 1.54

DESCRIPTION: Construct 4-Lane Divided Conc Curb & Gutter  
5103' of 4-lanes from Harlem to Westmoor Dr  
1767' of 2-lanes from Westmoor Dr to W Oaks  
Village Dr  
1270' of 2-lanes from W Oaks Village Dr to 565'

**COST SUMMARY**

ENGINEERING	\$	901,953.34
RIGHT OF WAY	\$	5,637,760.00
CONST. PHASE SERVICES	\$	541,172.00
CONSTRUCTION	\$	9,019,533.40
<b>TOTAL</b>	<b>\$</b>	<b>16,100,418.74</b>

PREPARED BY: Matthew Estes

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 360,781.34	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 541,172.00	
<b>SUBTOTAL ENGINEERING</b>				<b>\$ 901,953.34</b>	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 180,390.67	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 360,781.34	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				<b>\$ 541,172.00</b>	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	976800	\$ 5.70	\$ 5,567,760.00	8140' X 120'
HARD CORNERS	SF		\$ 5.70	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	7	\$ 10,000.00	\$ 70,000.00	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				<b>\$ 5,637,760.00</b>	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 901,953.34	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 5,637,760.00	
CONSTRUCTION PHASE SERVICES				\$ 541,172.00	
CONSTRUCTION				\$ 9,019,533.40	
<b>TOTAL PROJECT COST</b>				<b>\$ 16,100,418.74</b>	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-05  
ROAD: Bellaire Boulevard  
LIMITS: FROM: San Pablo Dr  
            TO: FM 1464 (Clodine Rd)  
LENGTH: FEET = 3500  
            MILES = 0.66  
  
DESCRIPTION: Connect San Pablo to FM 1464-Clodine  
                  4-Lane Divided Conc Curb & Gutter  
                  2493' of 4-Lane + 1000' of 2-Lane

**COST SUMMARY**

ENGINEERING	\$	464,002.00
RIGHT OF WAY	\$	3,044,000.00
CONST. PHASE SERVICES	\$	278,401.20
CONSTRUCTION	\$	4,640,020.00
<b>TOTAL</b>	<b>\$</b>	<b>8,426,423.20</b>

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	35.00	\$ 5,000.00	\$ 175,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
2-LANE C&G (32' F-F)	STA		\$ 16,000.00	\$ -	
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	30.00	\$ 36,000.00	\$ 1,080,000.00	25 Full Sta + 10 Half Sta
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
RECONSTRUCTION/WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF	15600	\$ 65.00	\$ 1,014,000.00	140'x30' + 120'x30' Channel Crossings
STORM SEWER SYSTEM	STA	35.00	\$ 20,000.00	\$ 700,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 2,969,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 1,500.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 3,500.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 6,500.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 6,500.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-05

ROAD: Bellaire Boulevard

LIMITS: FROM: San Pablo Dr

TO: FM 1464 (Clodine Rd)

LENGTH: FEET = 3500

MILES = 0.66

DESCRIPTION: Connect San Pablo to FM 1464-Clodine  
4-Lane Divided Conc Curb & Gutter  
2493' of 4-Lane + 1000' of 2-Lane

**COST SUMMARY**

ENGINEERING	\$	464,002.00
RIGHT OF WAY	\$	3,044,000.00
CONST. PHASE SERVICES	\$	278,401.20
CONSTRUCTION	\$	4,640,020.00
<b>TOTAL</b>	<b>\$</b>	<b>8,426,423.20</b>

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	0.66	\$ 200,000.00	\$ 132,000.00	
SIGNING & PAVEMENT MARKINGS	STA	35.00	\$ 600.00	\$ 21,000.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	35.00	\$ 2,000.00	\$ 70,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				<b>\$ 223,000.00</b>	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA	35.00	\$ 10,000.00	\$ 350,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				<b>\$ 350,000.00</b>	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 35,420.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 177,100.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 885,500.00	
<b>CONSTRUCTION COST TOTAL</b>				<b>\$ 4,640,020.00</b>	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-05  
ROAD: Bellaire Boulevard  
LIMITS: FROM: San Pablo Dr  
            TO: FM 1464 (Clodine Rd)  
LENGTH: FEET = 3500  
            MILES = 0.66  
  
DESCRIPTION: Connect San Pablo to FM 1464-Clodine  
                  4-Lane Divided Conc Curb & Gutter  
                  2493' of 4-Lane + 1000' of 2-Lane

**COST SUMMARY**

ENGINEERING	\$	464,002.00
RIGHT OF WAY	\$	3,044,000.00
CONST. PHASE SERVICES	\$	278,401.20
CONSTRUCTION	\$	4,640,020.00
<b>TOTAL</b>	<b>\$</b>	<b>8,426,423.20</b>

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 185,600.80	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 278,401.20	
<b>SUBTOTAL ENGINEERING</b>				\$ 464,002.00	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 92,800.40	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 185,600.80	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 278,401.20	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	320000	\$ 5.70	\$ 1,824,000.00	2500' x 120' + 1000' x 20'
HARD CORNERS	SF		\$ 5.70	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	2	\$ 10,000.00	\$ 20,000.00	
PIPELINE RELOCATION (under 8")	EA	2	\$ 300,000.00	\$ 600,000.00	7" Gas + 6" Epl
PIPELINE RELOCATION (8'-16")	EA	1	\$ 600,000.00	\$ 600,000.00	14" Gas
PIPELINE RELOCATION (above 16")	EA		\$ 800,000.00	\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 3,044,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 464,002.00	
RIGHT OF WAY				\$ 3,044,000.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 278,401.20	materials testing & constr. eng
CONSTRUCTION				\$ 4,640,020.00	
<b>TOTAL PROJECT COST</b>				\$ 8,426,423.20	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-06  
ROAD: Chimney Road Boulevard  
LIMITS: FROM: FM 2234  
TO: Rosa Parks Elementary  
LENGTH: FEET = 11600  
MILES = 2.20

DESCRIPTION: Construct half of boulevard, 2 lane concrete curb and gutter road. Detailed construction estimate prepared by EHRA, Inc. in March 2012. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	626,804.70
RIGHT OF WAY	\$	5,256,000.00
CONST. PHASE SERVICES	\$	376,082.82
CONSTRUCTION	\$	6,268,047.00
<b>TOTAL</b>	<b>\$</b>	<b>12,526,934.52</b>

PREPARED BY: EHRA, Inc.

Date: 03/01/12

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA		\$ 5,000.00	\$ -	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
2-LANE C&G (25' F-F)	STA		\$ 17,500.00	\$ -	
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA		\$ 20,000.00	\$ -	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA		\$ 25,000.00	\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ -	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-06  
ROAD: Chimney Road Boulevard  
LIMITS: FROM: FM 2234  
TO: Rosa Parks Elementary  
LENGTH: FEET = 11600  
MILES = 2.20

DESCRIPTION: Construct half of boulevard, 2 lane concrete curb and gutter road. Detailed construction estimate prepared by EHRA, Inc. in March 2012. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	626,804.70
RIGHT OF WAY	\$	5,256,000.00
CONST. PHASE SERVICES	\$	376,082.82
CONSTRUCTION	\$	6,268,047.00
<b>TOTAL</b>	<b>\$</b>	<b>12,526,934.52</b>

PREPARED BY: EHRA, Inc.

Date: 03/01/12

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	At FM 2234
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA		\$ 600.00	\$ -	
SWPPP	STA		\$ 2,000.00	\$ -	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ -	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
CHANNEL IMPROVEMENTS	STA		\$ 20,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ -	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ -	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ -	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ -	
<b>CONSTRUCTION COST TOTAL</b>				\$ 6,268,047.00	Detailed Construction Cost Estimate prepared

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-06  
ROAD: Chimney Road Boulevard  
LIMITS: FROM: FM 2234  
TO: Rosa Parks Elementary  
LENGTH: FEET = 11600  
MILES = 2.20

DESCRIPTION: Construct half of boulevard, 2 lane concrete curb and gutter road. Detailed construction estimate prepared by EHRA, Inc. in March 2012. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	626,804.70
RIGHT OF WAY	\$	5,256,000.00
CONST. PHASE SERVICES	\$	376,082.82
CONSTRUCTION	\$	6,268,047.00
<b>TOTAL</b>	<b>\$</b>	<b>12,526,934.52</b>

PREPARED BY: EHRA, Inc.

Date: 03/01/12

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 250,721.88	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 376,082.82	
<b>SUBTOTAL ENGINEERING</b>				\$ 626,804.70	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 125,360.94	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 250,721.88	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 376,082.82	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	1160000	\$ 1.10	\$ 1,276,000.00	100' ROW
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	8	\$ 10,000.00	\$ 80,000.00	
PIPELINE RELOCATION	LS	1	\$ 3,900,000.00	\$ 3,900,000.00	7", 20", 30", 16", 9", 13"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 5,256,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 626,804.70	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 5,256,000.00	
CONSTRUCTION PHASE SERVICES				\$ 376,082.82	
CONSTRUCTION				\$ 6,268,047.00	
<b>TOTAL PROJECT COST</b>				\$ 12,526,934.52	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-07  
ROAD: Sugar Land-Howell Road  
LIMITS: FROM: Bissonnet Road  
TO: Old Richmond Road  
LENGTH: FEET = 3500  
MILES = 0.66

DESCRIPTION: Widen from 2 lane asphalt road to 4 lane concrete curb and gutter with raised median. Outfall into adjacent channel. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	390,475.60
RIGHT OF WAY	\$	1,372,000.00
CONST. PHASE SERVICES	\$	234,285.36
CONSTRUCTION	\$	3,904,756.04
<b>TOTAL</b>	<b>\$</b>	<b>5,901,517.00</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	35	\$ 5,000.00	\$ 175,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	35	\$ 36,000.00	\$ 1,260,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF	5250	\$ 65.00	\$ 341,250.00	expand existing 150' length, 35' wide deck
STORM SEWER SYSTEM	STA	35	\$ 20,000.00	\$ 700,000.00	
CROSS CULVERT	EA	1	\$ 25,000.00	\$ 25,000.00	Old Richmond Road
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				<b>\$ 2,501,250.00</b>	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA	35	\$ 150.00	\$ 5,250.00	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA	35	\$ 650.00	\$ 22,750.00	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				<b>\$ 28,000.00</b>	



**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-07  
ROAD: Sugar Land-Howell Road  
LIMITS: FROM: Bissonnet Road  
TO: Old Richmond Road  
LENGTH: FEET = 3500  
MILES = 0.66

DESCRIPTION: Widen from 2 lane asphalt road to 4 lane concrete curb and gutter with raised median. Outfall into adjacent channel. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	390,475.60
RIGHT OF WAY	\$	1,372,000.00
CONST. PHASE SERVICES	\$	234,285.36
CONSTRUCTION	\$	3,904,756.04
<b>TOTAL</b>	<b>\$</b>	<b>5,901,517.00</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA	2	\$ 125,000.00	\$ 250,000.00	Modify at Bissonnet. New at Old Richmond
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	35	\$ 600.00	\$ 21,000.00	
SWPPP	STA	35	\$ 2,000.00	\$ 70,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 341,000.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF	2.2	\$ 50.00	\$ -	half of ROW by length at 0.55 ac-ft/ac
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ 110,479.80	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 110,479.80	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 29,807.30	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 149,036.49	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 745,182.45	
<b>CONSTRUCTION COST TOTAL</b>				\$ 3,904,756.04	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-07  
ROAD: Sugar Land-Howell Road  
LIMITS: FROM: Bissonnet Road  
TO: Old Richmond Road  
LENGTH: FEET = 3500  
MILES = 0.66

DESCRIPTION: Widen from 2 lane asphalt road to 4 lane concrete curb and gutter with raised median. Outfall into adjacent channel. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	390,475.60
RIGHT OF WAY	\$	1,372,000.00
CONST. PHASE SERVICES	\$	234,285.36
CONSTRUCTION	\$	3,904,756.04
<b>TOTAL</b>	<b>\$</b>	<b>5,901,517.00</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 156,190.24	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 234,285.36	
<b>SUBTOTAL ENGINEERING</b>				\$ 390,475.60	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 78,095.12	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 156,190.24	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 234,285.36	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	140000	\$ 4.80	\$ 672,000.00	additional 40' ROW necessary
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	10	\$ 10,000.00	\$ 100,000.00	
PIPELINE RELOCATION	EA	1	\$ 600,000.00	\$ 600,000.00	13"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 1,372,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 390,475.60	
RIGHT OF WAY				\$ 1,372,000.00	
CONSTRUCTION PHASE SERVICES				\$ 234,285.36	
CONSTRUCTION				\$ 3,904,756.04	
<b>TOTAL PROJECT COST</b>				\$ 5,901,517.00	Land cost plus acquisition cost materials testing & constr. eng

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-08  
ROAD: Knight Road Extension  
LIMITS: FROM: Watts Plantation  
TO: McKeever Road  
LENGTH: FEET = 5000  
MILES = 0.95

DESCRIPTION: Repace existing roadway with 2 lane asphalt road with shoulders including bridge over American Canal to connect with exsting improved roadway just north of irrigation canal at McKeever Road 60' ROW. All but southern 1600 ft in City of Missouri City

**COST SUMMARY**

ENGINEERING	\$	303,665.94
RIGHT OF WAY	\$	386,400.00
CONST. PHASE SERVICES	\$	182,199.56
CONSTRUCTION	\$	3,036,659.39
<b>TOTAL</b>	<b>\$</b>	<b>3,908,924.90</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	50	\$ 5,000.00	\$ 250,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					260 foot length, 30' wide total decking Richards St to Connection north of McKeever Cow Bayou, north of McKeever Outfall into Oyster Creek from N & S
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI	3.79	\$ 300,000.00	\$ 1,136,363.64	
BRIDGE	SF	7800	\$ 65.00	\$ 507,000.00	
STORM SEWER SYSTEM	STA	5	\$ 20,000.00	\$ 100,000.00	
CROSS CULVERT	EA	1	\$ 50,000.00	\$ 50,000.00	
OUTFALL	EA	2	\$ 25,000.00	\$ 50,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 2,093,363.64	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-08  
ROAD: Knight Road Extension  
LIMITS: FROM: Watts Plantation  
TO: McKeever Road  
LENGTH: FEET = 5000  
MILES = 0.95

DESCRIPTION: Repace existing roadway with 2 lane asphalt road with shoulders including bridge over American Canal to connect with existing improved roadway just north of irrigation canal at McKeever Road 60' ROW. All but southern 1600 ft in City of Missouri City

**COST SUMMARY**

ENGINEERING	\$	303,665.94
RIGHT OF WAY	\$	386,400.00
CONST. PHASE SERVICES	\$	182,199.56
CONSTRUCTION	\$	3,036,659.39
<b>TOTAL</b>	<b>\$</b>	<b>3,908,924.90</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	0.00	\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	50	\$ 600.00	\$ 30,000.00	
SWPPP	STA	50	\$ 2,000.00	\$ 100,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 130,000.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	1.9	\$ 50,000.00	\$ 94,696.97	Half of ROW by length at 0.55 ac-ft/ac
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 94,696.97	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 23,180.61	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 115,903.03	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 579,515.15	
<b>CONSTRUCTION COST TOTAL</b>				\$ 3,036,659.39	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-08  
ROAD: Knight Road Extension  
LIMITS: FROM: Watts Plantation  
TO: McKeever Road  
LENGTH: FEET = 5000  
MILES = 0.95

DESCRIPTION: Repace existing roadway with 2 lane asphalt road with shoulders including bridge over American Canal to connect with exsting improved roadway just north of irrigation canal at McKeever Road 60' ROW. All but southern 1600 ft in City of Missouri City

**COST SUMMARY**

ENGINEERING	\$	303,665.94
RIGHT OF WAY	\$	386,400.00
CONST. PHASE SERVICES	\$	182,199.56
CONSTRUCTION	\$	3,036,659.39
<b>TOTAL</b>	<b>\$</b>	<b>3,908,924.90</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 121,466.38	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 182,199.56	
<b>SUBTOTAL ENGINEERING</b>				\$ 303,665.94	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 60,733.19	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 121,466.38	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 182,199.56	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	108000	\$ 3.30	\$ 356,400.00	60' ROW for middle 1800 ft. Use existing ROW for south portion
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	3	\$ 10,000.00	\$ 30,000.00	
PIPELINE RELOCATION	EA				
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 386,400.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 303,665.94	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 386,400.00	
CONSTRUCTION PHASE SERVICES				\$ 182,199.56	
CONSTRUCTION				\$ 3,036,659.39	
<b>TOTAL PROJECT COST</b>				\$ 3,908,924.90	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-09  
ROAD: Blueridge Road  
LIMITS: FROM: McHard Rd (FM 2234)  
TO: Rockergate  
LENGTH: FEET = 4300  
MILES = 0.81

DESCRIPTION: Repace existing roadway with 3 lane concrete road curb and gutter. Widen existing bridges. Outfall into drainage ditch. Inside City of Houston. 60' ROW

**COST SUMMARY**

ENGINEERING	\$	363,105.80
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	217,863.48
CONSTRUCTION	\$	3,631,058.00
TOTAL	\$	4,212,027.28

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	43	\$ 5,000.00	\$ 215,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA	43	\$ 25,000.00	\$ 1,075,000.00	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF	5000	\$ 65.00	\$ 325,000.00	Widen both bridges
STORM SEWER SYSTEM	STA	43	\$ 20,000.00	\$ 860,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	2	\$ 25,000.00	\$ 50,000.00	N & S of Creek
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 2,525,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-09  
ROAD: Blueridge Road  
LIMITS: FROM: McHard Rd (FM 2234)  
TO: Rockergate  
LENGTH: FEET = 4300  
MILES = 0.81

DESCRIPTION: Repace existing roadway with 3 lane concrete road curb and gutter. Widen existing bridges. Outfall into drainage ditch. Inside City of Houston. 60' ROW

**COST SUMMARY**

ENGINEERING	\$	363,105.80
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	217,863.48
CONSTRUCTION	\$	3,631,058.00
TOTAL	\$	4,212,027.28

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	43	\$ 600.00	\$ 25,800.00	
SWPPP	STA	43	\$ 2,000.00	\$ 86,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 111,800.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	2.7	\$ 50,000.00	\$ 135,000.00	Half of ROW at 0.55 ac-ft/ac
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 135,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 27,718.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 138,590.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 692,950.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 3,631,058.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-09  
ROAD: Blueridge Road  
LIMITS: FROM: McHard Rd (FM 2234)  
TO: Rockergate  
LENGTH: FEET = 4300  
MILES = 0.81

DESCRIPTION: Repace existing roadway with 3 lane concrete road curb and gutter. Widen existing bridges. Outfall into drainage ditch. Inside City of Houston. 60' ROW

**COST SUMMARY**

ENGINEERING	\$	363,105.80
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	217,863.48
CONSTRUCTION	\$	3,631,058.00
<b>TOTAL</b>	<b>\$</b>	<b>4,212,027.28</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 145,242.32	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 217,863.48	
<b>SUBTOTAL ENGINEERING</b>				\$ 363,105.80	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 72,621.16	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 145,242.32	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 217,863.48	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 363,105.80	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 217,863.48	
CONSTRUCTION				\$ 3,631,058.00	
<b>TOTAL PROJECT COST</b>				\$ 4,212,027.28	Land cost plus acquisition cost materials testing & constr. eng



**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-10  
ROAD: Staffordshire Road  
LIMITS: FROM: Scanlin Street  
TO: Court Road  
LENGTH: FEET = 3600  
MILES = 0.68

DESCRIPTION: Repace existing roadway with 2 lane asphalt road with shoulders. Realgin intersection with Court Road. 60' ROW - No Additional ROW needed

**COST SUMMARY**

ENGINEERING	\$	424,039.85
RIGHT OF WAY	\$	1,600,000.00
CONST. PHASE SERVICES	\$	254,423.91
CONSTRUCTION	\$	4,240,398.55
<b>TOTAL</b>	<b>\$</b>	<b>6,518,862.31</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	36	\$ 5,000.00	\$ 180,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI	2.73	\$ 300,000.00	\$ 818,181.82	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	36	\$ 20,000.00	\$ 720,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 1,718,181.82	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA	36	\$ 150.00	\$ 5,400.00	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA	36	\$ 650.00	\$ 23,400.00	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ 28,800.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-10  
ROAD: Staffordshire Road  
LIMITS: FROM: Scanlin Street  
TO: Court Road  
LENGTH: FEET = 3600  
MILES = 0.68

DESCRIPTION: Repace existing roadway with 2 lane asphalt road with shoulders. Realgin intersection with Court Road. 60' ROW - No Additional ROW needed

**COST SUMMARY**

ENGINEERING	\$	424,039.85
RIGHT OF WAY	\$	1,600,000.00
CONST. PHASE SERVICES	\$	254,423.91
CONSTRUCTION	\$	4,240,398.55
<b>TOTAL</b>	<b>\$</b>	<b>6,518,862.31</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	0.68	\$ 200,000.00	\$ 136,363.64	
SIGNING & PAVEMENT MARKINGS	STA	36	\$ 600.00	\$ 21,600.00	
SWPPP	STA	36	\$ 2,000.00	\$ 72,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 229,963.64	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT	4.2	\$ 300,000.00	\$ 1,260,000.00	Half of ROW for length at 0.55 ac-ft/ac
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 1,260,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 32,369.45	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 161,847.27	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 809,236.36	
<b>CONSTRUCTION COST TOTAL</b>				\$ 4,240,398.55	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-10  
ROAD: Staffordshire Road  
LIMITS: FROM: Scanlin Street  
TO: Court Road  
LENGTH: FEET = 3600  
MILES = 0.68

DESCRIPTION: Repace existing roadway with 2 lane asphalt road with shoulders. Realgin intersection with Court Road. 60' ROW - No Additional ROW needed

**COST SUMMARY**

ENGINEERING	\$	424,039.85
RIGHT OF WAY	\$	1,600,000.00
CONST. PHASE SERVICES	\$	254,423.91
CONSTRUCTION	\$	4,240,398.55
<b>TOTAL</b>	<b>\$</b>	<b>6,518,862.31</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 169,615.94	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 254,423.91	
<b>SUBTOTAL ENGINEERING</b>				\$ 424,039.85	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 84,807.97	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 169,615.94	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 254,423.91	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA	2	\$ 800,000.00	\$ 1,600,000.00	18" & 30"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 1,600,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 424,039.85	
RIGHT OF WAY				\$ 1,600,000.00	
CONSTRUCTION PHASE SERVICES				\$ 254,423.91	
CONSTRUCTION				\$ 4,240,398.55	
<b>TOTAL PROJECT COST</b>				\$ 6,518,862.31	Land cost plus acquisition cost materials testing & constr. eng

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-11  
ROAD: Ludwig Road  
LIMITS: FROM: Dulles Ave  
TO: Brand Lane  
LENGTH: FEET = 1500  
MILES = 0.28

DESCRIPTION: Repace existing roadway with 3 lane concrete road with curb and gutter. Storm drains into Brand Lane system. Inside city limits of Missouri City. 60' ROW.

**COST SUMMARY**

ENGINEERING	\$	151,674.18
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	91,004.51
CONSTRUCTION	\$	1,516,741.82
TOTAL	\$	1,759,420.51

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	15	\$ 5,000.00	\$ 75,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA	15	\$ 25,000.00	\$ 375,000.00	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	15	\$ 20,000.00	\$ 300,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 750,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA	15	\$ 150.00	\$ 2,250.00	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA	15	\$ 650.00	\$ 9,750.00	
RELOCATE FORCE MAIN	STA	0	\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ 12,000.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-11  
ROAD: Ludwig Road  
LIMITS: FROM: Dulles Ave  
TO: Brand Lane  
LENGTH: FEET = 1500  
MILES = 0.28

DESCRIPTION: Repace existing roadway with 3 lane concrete road with curb and gutter. Storm drains into Brand Lane system. Inside city limits of Missouri City. 60' ROW.

**COST SUMMARY**

ENGINEERING	\$	151,674.18
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	91,004.51
CONSTRUCTION	\$	1,516,741.82
<b>TOTAL</b>	<b>\$</b>	<b>1,759,420.51</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	0.28	\$ 200,000.00	\$ 56,818.18	
SIGNING & PAVEMENT MARKINGS	STA	15	\$ 600.00	\$ 9,000.00	
SWPPP	STA	15	\$ 2,000.00	\$ 30,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 95,818.18	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT	1	\$ 300,000.00	\$ 300,000.00	Half of ROW at 0.55 ac-ft/ac
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 300,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 11,578.18	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 57,890.91	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 289,454.55	
<b>CONSTRUCTION COST TOTAL</b>				\$ 1,516,741.82	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-11  
ROAD: Ludwig Road  
LIMITS: FROM: Dulles Ave  
TO: Brand Lane  
LENGTH: FEET = 1500  
MILES = 0.28

DESCRIPTION: Repace existing roadway with 3 lane concrete road with curb and gutter. Storm drains into Brand Lane system. Inside city limits of Missouri City. 60' ROW.

**COST SUMMARY**

ENGINEERING	\$	151,674.18
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	91,004.51
CONSTRUCTION	\$	1,516,741.82
<b>TOTAL</b>	<b>\$</b>	<b>1,759,420.51</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 60,669.67	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 91,004.51	
<b>SUBTOTAL ENGINEERING</b>				\$ 151,674.18	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 30,334.84	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 60,669.67	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 91,004.51	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 151,674.18	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 91,004.51	
CONSTRUCTION				\$ 1,516,741.82	
<b>TOTAL PROJECT COST</b>				\$ 1,759,420.51	Land cost plus acquisition cost materials testing & constr. eng

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-12  
ROAD: Vicksburg Boulevard  
LIMITS: FROM: Aldridge  
TO: Lake Olympia Boulevard  
LENGTH: FEET = 3000  
MILES = 0.57

DESCRIPTION: 4 lane concrete curb and gutter with raised median. 100' ROW. Detailed construction estimate prepared by Terra and Associates dated April 26, 2013.

**COST SUMMARY**

ENGINEERING	\$	268,219.30
RIGHT OF WAY	\$	1,190,000.00
CONST. PHASE SERVICES	\$	160,931.58
CONSTRUCTION	\$	2,682,193.00
<b>TOTAL</b>	<b>\$</b>	<b>4,301,343.88</b>

PREPARED BY: Terra and Associates, Inc.

Date: 04/01/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA		\$ 5,000.00	\$ -	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	150 foot length, 65' wide total decking
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA		\$ 20,000.00	\$ -	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	Old Richmond Road
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ -	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-12  
ROAD: Vicksburg Boulevard  
LIMITS: FROM: Aldridge  
TO: Lake Olympia Boulevard  
LENGTH: FEET = 3000  
MILES = 0.57

DESCRIPTION: 4 lane concrete curb and gutter with raised median. 100' ROW. Detailed construction estimate prepared by Terra and Associates dated April 26, 2013.

**COST SUMMARY**

ENGINEERING	\$	268,219.30
RIGHT OF WAY	\$	1,190,000.00
CONST. PHASE SERVICES	\$	160,931.58
CONSTRUCTION	\$	2,682,193.00
<b>TOTAL</b>	<b>\$</b>	<b>4,301,343.88</b>

PREPARED BY: Terra and Associates, Inc.

Date: 04/01/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA		\$ 600.00	\$ -	
SWPPP	STA		\$ 2,000.00	\$ -	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ -	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ -	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ -	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ -	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ -	
<b>CONSTRUCTION COST TOTAL</b>				\$ 2,682,193.00	



**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-12  
ROAD: Vicksburg Boulevard  
LIMITS: FROM: Aldridge  
TO: Lake Olympia Boulevard  
LENGTH: FEET = 3000  
MILES = 0.57

DESCRIPTION: 4 lane concrete curb and gutter with raised median. 100' ROW. Detailed construction estimate prepared by Terra and Associates dated April 26, 2013.

**COST SUMMARY**

ENGINEERING	\$	268,219.30
RIGHT OF WAY	\$	1,190,000.00
CONST. PHASE SERVICES	\$	160,931.58
CONSTRUCTION	\$	2,682,193.00
<b>TOTAL</b>	<b>\$</b>	<b>4,301,343.88</b>

PREPARED BY: Terra and Associates, Inc.

Date: 04/01/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 107,287.72	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 160,931.58	
<b>SUBTOTAL ENGINEERING</b>				\$ 268,219.30	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 53,643.86	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 107,287.72	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 160,931.58	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	300000	\$ 1.10	\$ 330,000.00	Obtain full 100' ROW
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	6	\$ 10,000.00	\$ 60,000.00	
PIPELINE RELOCATION	EA	1	\$ 800,000.00	\$ 800,000.00	16"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 1,190,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 268,219.30	
RIGHT OF WAY				\$ 1,190,000.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 160,931.58	materials testing & constr. eng
CONSTRUCTION				\$ 2,682,193.00	
<b>TOTAL PROJECT COST</b>				\$ 4,301,343.88	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-13  
ROAD: Watts Plantation  
LIMITS: FROM: Sienna Parkway  
TO: Knight Road  
LENGTH: FEET = 7700  
MILES = 1.46

DESCRIPTION: Repace existing roadway with 2 lane esphalt road with shoulders. Bridge necessary over Oyster Creek. Within city limits of Missouri City. 60' ROW...no additional ROW needed

**COST SUMMARY**

ENGINEERING	\$	512,264.58
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	307,358.75
CONSTRUCTION	\$	5,122,645.83
TOTAL	\$	5,942,269.17

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/10/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	77	\$ 5,000.00	\$ 385,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI	5.83	\$ 300,000.00	\$ 1,750,000.00	
BRIDGE	SF	2800	\$ 65.00	\$ 182,000.00	Over Oyster Creek 80 lf @ 35' deck
STORM SEWER SYSTEM	STA	38.5	\$ 20,000.00	\$ 770,000.00	Estimate half of widening needs storm
CROSS CULVERT	EA	1	\$ 25,000.00	\$ 25,000.00	Large culverts at Sienna Parkway
OUTFALL	EA	2	\$ 25,000.00	\$ 50,000.00	west and east of Oyster Creek
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 3,162,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA	77	\$ 150.00	\$ 11,550.00	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ 11,550.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-13  
ROAD: Watts Plantation  
LIMITS: FROM: Sienna Parkway  
TO: Knight Road  
LENGTH: FEET = 7700  
MILES = 1.46

DESCRIPTION: Repace existing roadway with 2 lane esphalt road with shoulders. Bridge necessary over Oyster Creek. Within city limits of Missouri City. 60' ROW...no additional ROW needed

**COST SUMMARY**

ENGINEERING	\$	512,264.58
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	307,358.75
CONSTRUCTION	\$	5,122,645.83
TOTAL	\$	5,942,269.17

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/10/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	1.46	\$ 200,000.00	\$ 291,666.67	
SIGNING & PAVEMENT MARKINGS	STA	77	\$ 600.00	\$ 46,200.00	
SWPPP	STA	77	\$ 2,000.00	\$ 154,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 491,866.67	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	4.9	\$ 50,000.00	\$ 245,000.00	Half of ROW at 0.55 ac-ft/ac
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 245,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 39,104.17	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 195,520.83	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 977,604.17	
<b>CONSTRUCTION COST TOTAL</b>				\$ 5,122,645.83	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-13  
ROAD: Watts Plantation  
LIMITS: FROM: Sienna Parkway  
TO: Knight Road  
LENGTH: FEET = 7700  
MILES = 1.46

DESCRIPTION: Repace existing roadway with 2 lane esphalt road with shoulders. Bridge necessary over Oyster Creek. Within city limits of Missouri City. 60' ROW...no additional ROW needed

**COST SUMMARY**

ENGINEERING	\$	512,264.58
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	307,358.75
CONSTRUCTION	\$	5,122,645.83
<b>TOTAL</b>	<b>\$</b>	<b>5,942,269.17</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/10/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 204,905.83	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 307,358.75	
<b>SUBTOTAL ENGINEERING</b>				\$ 512,264.58	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 102,452.92	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 204,905.83	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 307,358.75	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA	1	\$ 1,200,000.00	\$ -	9" & 13"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 512,264.58	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 307,358.75	
CONSTRUCTION				\$ 5,122,645.83	
<b>TOTAL PROJECT COST</b>				\$ 5,942,269.17	Land cost plus acquisition cost materials testing & constr. eng

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-14  
ROAD: Cash Road  
LIMITS: FROM: Kirkwood  
TO: Royal Drive  
LENGTH: FEET = 1800  
MILES = 0.34

DESCRIPTION: Construct 4-Lane concrete boulevard with curb and gutter and raised median. Inside City limits of City of Stafford. 100' ROW. Off-site storm to existing pond south of ROW

**COST SUMMARY**

ENGINEERING	\$	275,728.80
RIGHT OF WAY	\$	894,000.00
CONST. PHASE SERVICES	\$	165,437.28
CONSTRUCTION	\$	2,757,288.00
<b>TOTAL</b>	<b>\$</b>	<b>4,092,454.08</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	18	\$ 5,000.00	\$ 90,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	18	\$ 36,000.00	\$ 648,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	21	\$ 20,000.00	\$ 420,000.00	Off-site storm to get to existing pond
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	1	\$ 25,000.00	\$ 25,000.00	Outfall into existing pond south of ROW
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 1,183,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-14  
ROAD: Cash Road  
LIMITS: FROM: Kirkwood  
TO: Royal Drive  
LENGTH: FEET = 1800  
MILES = 0.34

DESCRIPTION: Construct 4-Lane concrete boulevard with curb and gutter and raised median. Inside City limits of City of Stafford. 100' ROW. Off-site storm to existing pond south of ROW

**COST SUMMARY**

ENGINEERING	\$	275,728.80
RIGHT OF WAY	\$	894,000.00
CONST. PHASE SERVICES	\$	165,437.28
CONSTRUCTION	\$	2,757,288.00
<b>TOTAL</b>	<b>\$</b>	<b>4,092,454.08</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA	1	\$ 125,000.00	\$ 125,000.00	At Kirkwood
ROADWAY ILLUMINATION	MI	0.34	\$ 200,000.00	\$ 68,181.82	
SIGNING & PAVEMENT MARKINGS	STA	18	\$ 600.00	\$ 10,800.00	
SWPPP	STA	18	\$ 2,000.00	\$ 36,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 239,981.82	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	100' ROW by length at 0.55 ac-ft/ac
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT	2.3	\$ 300,000.00	\$ 681,818.18	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 681,818.18	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 21,048.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 105,240.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 526,200.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 2,757,288.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-14  
ROAD: Cash Road  
LIMITS: FROM: Kirkwood  
TO: Royal Drive  
LENGTH: FEET = 1800  
MILES = 0.34

DESCRIPTION: Construct 4-Lane concrete boulevard with curb and gutter and raised median. Inside City limits of City of Stafford. 100' ROW. Off-site storm to existing pond south of ROW

**COST SUMMARY**

ENGINEERING	\$	275,728.80
RIGHT OF WAY	\$	894,000.00
CONST. PHASE SERVICES	\$	165,437.28
CONSTRUCTION	\$	2,757,288.00
<b>TOTAL</b>	<b>\$</b>	<b>4,092,454.08</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 110,291.52	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 165,437.28	
<b>SUBTOTAL ENGINEERING</b>				\$ 275,728.80	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 55,145.76	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 110,291.52	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 165,437.28	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	180000	\$ 4.80	\$ 864,000.00	100' ROW
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	3	\$ 10,000.00	\$ 30,000.00	
PIPELINE RELOCATION	EA				
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 894,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 275,728.80	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 894,000.00	
CONSTRUCTION PHASE SERVICES				\$ 165,437.28	
CONSTRUCTION				\$ 2,757,288.00	
<b>TOTAL PROJECT COST</b>				\$ 4,092,454.08	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-15  
ROAD: Chimney Rock Road  
LIMITS: FROM: Cambridge Falls Drive  
TO: Acorn Glen Trail  
LENGTH: FEET = 3000  
MILES = 0.57

DESCRIPTION: Construct 4-Lane concrete boulevard with curb and gutter and raised median. Two lanes of boulevard currently exist for approximately 1100 lf of the length. 100' ROW. Inside City of Houston

**COST SUMMARY**

ENGINEERING	\$	244,973.97
RIGHT OF WAY	\$	1,820,000.00
CONST. PHASE SERVICES	\$	146,984.38
CONSTRUCTION	\$	2,449,739.70
<b>TOTAL</b>	<b>\$</b>	<b>4,661,698.05</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/10/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	30	\$ 5,000.00	\$ 150,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA	11	\$ 25,000.00	\$ 275,000.00	
4-LANE DIVIDED C&G (52' F-F)	STA	19	\$ 36,000.00	\$ 684,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	19	\$ 20,000.00	\$ 380,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 1,489,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	



**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-15  
ROAD: Chimney Rock Road  
LIMITS: FROM: Cambridge Falls Drive  
TO: Acorn Glen Trail  
LENGTH: FEET = 3000  
MILES = 0.57

DESCRIPTION: Construct 4-Lane concrete boulevard with curb and gutter and raised median. Two lanes of boulevard currently exist for approximately 1100 lf of the length. 100' ROW. Inside City of Houston

**COST SUMMARY**

ENGINEERING	\$	244,973.97
RIGHT OF WAY	\$	1,820,000.00
CONST. PHASE SERVICES	\$	146,984.38
CONSTRUCTION	\$	2,449,739.70
<b>TOTAL</b>	<b>\$</b>	<b>4,661,698.05</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/10/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	0.57	\$ 200,000.00	\$ 113,636.36	
SIGNING & PAVEMENT MARKINGS	STA	30	\$ 600.00	\$ 18,000.00	
SWPPP	STA	30	\$ 2,000.00	\$ 60,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 191,636.36	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	3.8	\$ 50,000.00	\$ 189,393.94	100' ROW by length at 0.55 ac-ft/ac
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 189,393.94	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 18,700.30	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 93,501.52	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 467,507.58	
<b>CONSTRUCTION COST TOTAL</b>				\$ 2,449,739.70	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-15  
ROAD: Chimney Rock Road  
LIMITS: FROM: Cambridge Falls Drive  
TO: Acorn Glen Trail  
LENGTH: FEET = 3000  
MILES = 0.57

DESCRIPTION: Construct 4-Lane concrete boulevard with curb and gutter and raised median. Two lanes of boulevard currently exist for approximately 1100 lf of the length. 100' ROW. Inside City of Houston

**COST SUMMARY**

ENGINEERING	\$	244,973.97
RIGHT OF WAY	\$	1,820,000.00
CONST. PHASE SERVICES	\$	146,984.38
CONSTRUCTION	\$	2,449,739.70
<b>TOTAL</b>	<b>\$</b>	<b>4,661,698.05</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/10/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 97,989.59	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 146,984.38	
<b>SUBTOTAL ENGINEERING</b>				<b>\$ 244,973.97</b>	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 48,994.79	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 97,989.59	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				<b>\$ 146,984.38</b>	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	300000	\$ 6.00	\$ 1,800,000.00	full 100' ROW necessary
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	2	\$ 10,000.00	\$ 20,000.00	
PIPELINE RELOCATION	EA				
<b>SUBTOTAL RIGHT OF WAY</b>				<b>\$ 1,820,000.00</b>	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 244,973.97	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 1,820,000.00	
CONSTRUCTION PHASE SERVICES				\$ 146,984.38	
CONSTRUCTION				\$ 2,449,739.70	
<b>TOTAL PROJECT COST</b>				<b>\$ 4,661,698.05</b>	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-16  
ROAD: West Fuqua Road  
LIMITS: FROM: Bazel Brook Drive  
TO: Fondren Road  
LENGTH: FEET = 9200  
MILES = 1.74

DESCRIPTION: Replace aging concrete boulevard with similar.  
For estimating purposes use 50% of limit length.  
Located within City of Houston City Limits. No  
Additional ROW needed

**COST SUMMARY**

ENGINEERING	\$	262,733.60
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	157,640.16
CONSTRUCTION	\$	2,627,336.00
TOTAL	\$	3,047,709.76

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	46	\$ 5,000.00	\$ 230,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	46	\$ 36,000.00	\$ 1,656,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA		\$ 20,000.00	\$ -	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 1,886,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-16  
ROAD: West Fuqua Road  
LIMITS: FROM: Bazel Brook Drive  
TO: Fondren Road  
LENGTH: FEET = 9200  
MILES = 1.74

DESCRIPTION: Replace aging concrete boulevard with similar.  
For estimating purposes use 50% of limit length.  
Located within City of Houston City Limits. No  
Additional ROW needed

**COST SUMMARY**

ENGINEERING	\$	262,733.60
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	157,640.16
CONSTRUCTION	\$	2,627,336.00
TOTAL	\$	3,047,709.76

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	46	\$ 600.00	\$ 27,600.00	
SWPPP	STA	46	\$ 2,000.00	\$ 92,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 119,600.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ -	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 20,056.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 100,280.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 501,400.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 2,627,336.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-16  
ROAD: West Fuqua Road  
LIMITS: FROM: Bazel Brook Drive  
TO: Fondren Road  
LENGTH: FEET = 9200  
MILES = 1.74

DESCRIPTION: Replace aging concrete boulevard with similar.  
For estimating purposes use 50% of limit length.  
Located within City of Houston City Limits. No  
Additional ROW needed

**COST SUMMARY**

ENGINEERING	\$	262,733.60
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	157,640.16
CONSTRUCTION	\$	2,627,336.00
<b>TOTAL</b>	<b>\$</b>	<b>3,047,709.76</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 105,093.44	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 157,640.16	
<b>SUBTOTAL ENGINEERING</b>				\$ 262,733.60	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 52,546.72	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 105,093.44	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 157,640.16	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 262,733.60	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 157,640.16	
CONSTRUCTION				\$ 2,627,336.00	
<b>TOTAL PROJECT COST</b>				\$ 3,047,709.76	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-18  
ROAD: Old Richmond Road  
LIMITS: FROM: Burney Road  
TO: Eldridge Road  
LENGTH: FEET = 6400  
MILES = 1.21

DESCRIPTION: Widen from 2 lane asphalt road to 4 lane concrete curb and gutter with raised median. Storm sewer outfall into channel near Sugar Land-Howell Road. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	593,694.65
RIGHT OF WAY	\$	2,806,000.00
CONST. PHASE SERVICES	\$	356,216.79
CONSTRUCTION	\$	5,936,946.46
<b>TOTAL</b>	<b>\$</b>	<b>9,692,857.90</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	64	\$ 5,000.00	\$ 320,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	64	\$ 36,000.00	\$ 2,304,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	64	\$ 20,000.00	\$ 1,280,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 3,904,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA	64	\$ 150.00	\$ 9,600.00	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ 9,600.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-18  
ROAD: Old Richmond Road  
LIMITS: FROM: Burney Road  
TO: Eldridge Road  
LENGTH: FEET = 6400  
MILES = 1.21

DESCRIPTION: Widen from 2 lane asphalt road to 4 lane concrete curb and gutter with raised median. Storm sewer outfall into channel near Sugar Land-Howell Road. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	593,694.65
RIGHT OF WAY	\$	2,806,000.00
CONST. PHASE SERVICES	\$	356,216.79
CONSTRUCTION	\$	5,936,946.46
<b>TOTAL</b>	<b>\$</b>	<b>9,692,857.90</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA	2	\$ 125,000.00	\$ 250,000.00	At Eldridge Parkway & at Burney
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	64	\$ 600.00	\$ 38,400.00	
SWPPP	STA	64	\$ 2,000.00	\$ 128,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 416,400.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF	4.0	\$ 50.00	\$ -	50' ROW by length at 0.55 ac-ft/ac
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ 202,020.20	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 202,020.20	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 45,320.20	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 226,601.01	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,133,005.05	
<b>CONSTRUCTION COST TOTAL</b>				\$ 5,936,946.46	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-18  
ROAD: Old Richmond Road  
LIMITS: FROM: Burney Road  
TO: Eldridge Road  
LENGTH: FEET = 6400  
MILES = 1.21

DESCRIPTION: Widen from 2 lane asphalt road to 4 lane concrete curb and gutter with raised median. Storm sewer outfall into channel near Sugar Land-Howell Road. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	593,694.65
RIGHT OF WAY	\$	2,806,000.00
CONST. PHASE SERVICES	\$	356,216.79
CONSTRUCTION	\$	5,936,946.46
<b>TOTAL</b>	<b>\$</b>	<b>9,692,857.90</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 237,477.86	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 356,216.79	
<b>SUBTOTAL ENGINEERING</b>				\$ 593,694.65	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 118,738.93	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 237,477.86	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 356,216.79	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	320000	\$ 4.80	\$ 1,536,000.00	obtain an additional 50' of ROW
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	47	\$ 10,000.00	\$ 470,000.00	
PIPELINE RELOCATION	EA	1	\$ 800,000.00	\$ 800,000.00	24"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 2,806,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 593,694.65	
RIGHT OF WAY				\$ 2,806,000.00	
CONSTRUCTION PHASE SERVICES				\$ 356,216.79	
CONSTRUCTION				\$ 5,936,946.46	
<b>TOTAL PROJECT COST</b>				\$ 9,692,857.90	Land cost plus acquisition cost materials testing & constr. eng



**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-19  
ROAD: Independence Boulevard - Segment 1  
LIMITS: FROM: Staffordshire Road  
TO: 1,400 feet east of Moore Road  
LENGTH: FEET = 2500  
MILES = 0.47

DESCRIPTION: Match existing section located at channel east of Moore Road. 5 lane concrete, curb and gutter roadway. Within City of Missouri City. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	285,656.22
RIGHT OF WAY	\$	800,000.00
CONST. PHASE SERVICES	\$	171,393.73
CONSTRUCTION	\$	2,856,562.18
<b>TOTAL</b>	<b>\$</b>	<b>4,113,612.13</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	25	\$ 5,000.00	\$ 125,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
5-LANE C&G (62' F-F)	STA	25	\$ 40,000.00	\$ 1,000,000.00	
ASPHALT PAVEMENT					Existing storm sewer at west and east ends
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	21	\$ 20,000.00	\$ 420,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 1,545,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA	3	\$ 150.00	\$ 450.00	East end. Serves Glover Elem. School
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA	3	\$ 650.00	\$ 1,950.00	East end. Serves Glover Elem. School
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ 2,400.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-19  
ROAD: Independence Boulevard - Segment 1  
LIMITS: FROM: Staffordshire Road  
TO: 1,400 feet east of Moore Road  
LENGTH: FEET = 2500  
MILES = 0.47

DESCRIPTION: Match existing section located at channel east of  
Moore Road. 5 lane concrete, curb and gutter  
roadway. Within City of Missouri City. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	285,656.22
RIGHT OF WAY	\$	800,000.00
CONST. PHASE SERVICES	\$	171,393.73
CONSTRUCTION	\$	2,856,562.18
<b>TOTAL</b>	<b>\$</b>	<b>4,113,612.13</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	0.47	\$ 200,000.00	\$ 94,696.97	
SIGNING & PAVEMENT MARKINGS	STA	25	\$ 600.00	\$ 15,000.00	
SWPPP	STA	25	\$ 2,000.00	\$ 50,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 159,696.97	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT	1.6	\$ 300,000.00	\$ 473,484.85	half ROW by length at 0.55 ac-ft/ac
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 473,484.85	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 21,805.82	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 109,029.09	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 545,145.45	
<b>CONSTRUCTION COST TOTAL</b>				\$ 2,856,562.18	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-19  
ROAD: Independence Boulevard - Segment 1  
LIMITS: FROM: Staffordshire Road  
TO: 1,400 feet east of Moore Road  
LENGTH: FEET = 2500  
MILES = 0.47

DESCRIPTION: Match existing section located at channel east of Moore Road. 5 lane concrete, curb and gutter roadway. Within City of Missouri City. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	285,656.22
RIGHT OF WAY	\$	800,000.00
CONST. PHASE SERVICES	\$	171,393.73
CONSTRUCTION	\$	2,856,562.18
<b>TOTAL</b>	<b>\$</b>	<b>4,113,612.13</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 114,262.49	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 171,393.73	
<b>SUBTOTAL ENGINEERING</b>				\$ 285,656.22	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 57,131.24	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 114,262.49	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 171,393.73	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA	1	\$ 800,000.00	\$ 800,000.00	30"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 800,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 285,656.22	
RIGHT OF WAY				\$ 800,000.00	
CONSTRUCTION PHASE SERVICES				\$ 171,393.73	
CONSTRUCTION				\$ 2,856,562.18	
<b>TOTAL PROJECT COST</b>				\$ 4,113,612.13	Land cost plus acquisition cost materials testing & constr. eng

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-20  
ROAD: Independence Boulevard - Segment 2  
LIMITS: FROM: Moore Road  
TO: S. Revolution Way  
LENGTH: FEET = 3400  
MILES = 0.64

DESCRIPTION: Build 2nd half of concrete boulevard, curb and gutter. Utilize existing bridge. Within City of Missouri City. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	144,952.96
RIGHT OF WAY	\$	2,400,000.00
CONST. PHASE SERVICES	\$	86,971.77
CONSTRUCTION	\$	1,449,529.56
<b>TOTAL</b>	<b>\$</b>	<b>4,081,454.28</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	34	\$ 5,000.00	\$ 170,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	17	\$ 36,000.00	\$ 612,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA		\$ 20,000.00	\$ -	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 782,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-20  
ROAD: Independence Boulevard - Segment 2  
LIMITS: FROM: Moore Road  
TO: S. Revolution Way  
LENGTH: FEET = 3400  
MILES = 0.64

DESCRIPTION: Build 2nd half of concrete boulevard, curb and gutter. Utilize existing bridge. Within City of Missouri City. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	144,952.96
RIGHT OF WAY	\$	2,400,000.00
CONST. PHASE SERVICES	\$	86,971.77
CONSTRUCTION	\$	1,449,529.56
<b>TOTAL</b>	<b>\$</b>	<b>4,081,454.28</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	0.64	\$ 200,000.00	\$ 128,787.88	
SIGNING & PAVEMENT MARKINGS	STA	34	\$ 600.00	\$ 20,400.00	
SWPPP	STA	34	\$ 2,000.00	\$ 68,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 217,187.88	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	2.1	\$ 50,000.00	\$ 107,323.23	50' of ROW by length at 0.55 ac-ft/ac
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 107,323.23	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 11,065.11	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 55,325.56	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 276,627.78	
<b>CONSTRUCTION COST TOTAL</b>				\$ 1,449,529.56	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-20  
ROAD: Independence Boulevard - Segment 2  
LIMITS: FROM: Moore Road  
TO: S. Revolution Way  
LENGTH: FEET = 3400  
MILES = 0.64

DESCRIPTION: Build 2nd half of concrete boulevard, curb and gutter. Utilize existing bridge. Within City of Missouri City. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	144,952.96
RIGHT OF WAY	\$	2,400,000.00
CONST. PHASE SERVICES	\$	86,971.77
CONSTRUCTION	\$	1,449,529.56
<b>TOTAL</b>	<b>\$</b>	<b>4,081,454.28</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 57,981.18	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 86,971.77	
<b>SUBTOTAL ENGINEERING</b>				\$ 144,952.96	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 28,990.59	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 57,981.18	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 86,971.77	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA	3	\$ 800,000.00	\$ 2,400,000.00	18", 16", 30"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 2,400,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 144,952.96	
RIGHT OF WAY				\$ 2,400,000.00	
CONSTRUCTION PHASE SERVICES				\$ 86,971.77	
CONSTRUCTION				\$ 1,449,529.56	
<b>TOTAL PROJECT COST</b>				\$ 4,081,454.28	Land cost plus acquisition cost materials testing & constr. eng

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-21  
ROAD: Lake Olympia Parkway - Segment 1  
LIMITS: FROM: Hurricane Lane  
TO: Chimney Rock  
LENGTH: FEET = 3600  
MILES = 0.68

DESCRIPTION: 4 lane concrete curb and gutter with raised median. 100' ROW. Storm sewer will need to connect to proposed Chimney Rock storm sewer system.

**COST SUMMARY**

ENGINEERING	\$	347,573.96
RIGHT OF WAY	\$	1,100,000.00
CONST. PHASE SERVICES	\$	208,544.38
CONSTRUCTION	\$	3,475,739.64
<b>TOTAL</b>	<b>\$</b>	<b>5,131,857.98</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/10/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	36	\$ 5,000.00	\$ 180,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	36	\$ 36,000.00	\$ 1,296,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	36	\$ 20,000.00	\$ 720,000.00	Storm Sewer tie into proposed Chimney Rock s
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA		\$ 25,000.00	\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 2,196,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-21  
ROAD: Lake Olympia Parkway - Segment 1  
LIMITS: FROM: Hurricane Lane  
TO: Chimney Rock  
LENGTH: FEET = 3600  
MILES = 0.68

DESCRIPTION: 4 lane concrete curb and gutter with raised median. 100' ROW. Storm sewer will need to connect to proposed Chimney Rock storm sewer system.

**COST SUMMARY**

ENGINEERING	\$	347,573.96
RIGHT OF WAY	\$	1,100,000.00
CONST. PHASE SERVICES	\$	208,544.38
CONSTRUCTION	\$	3,475,739.64
<b>TOTAL</b>	<b>\$</b>	<b>5,131,857.98</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/10/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	0.68	\$ 200,000.00	\$ 136,363.64	
SIGNING & PAVEMENT MARKINGS	STA	36	\$ 600.00	\$ 21,600.00	
SWPPP	STA	36	\$ 2,000.00	\$ 72,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 229,963.64	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	4.5	\$ 50,000.00	\$ 227,272.73	100' ROW by length at 0.55 ac-ft/ac
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 227,272.73	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 26,532.36	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 132,661.82	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 663,309.09	
<b>CONSTRUCTION COST TOTAL</b>				\$ 3,475,739.64	



**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-21  
ROAD: Lake Olympia Parkway - Segment 1  
LIMITS: FROM: Hurricane Lane  
TO: Chimney Rock  
LENGTH: FEET = 3600  
MILES = 0.68

DESCRIPTION: 4 lane concrete curb and gutter with raised median. 100' ROW. Storm sewer will need to connect to proposed Chimney Rock storm sewer system.

**COST SUMMARY**

ENGINEERING	\$	347,573.96
RIGHT OF WAY	\$	1,100,000.00
CONST. PHASE SERVICES	\$	208,544.38
CONSTRUCTION	\$	3,475,739.64
<b>TOTAL</b>	<b>\$</b>	<b>5,131,857.98</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/10/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 139,029.59	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 208,544.38	
<b>SUBTOTAL ENGINEERING</b>				<b>\$ 347,573.96</b>	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 69,514.79	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 139,029.59	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				<b>\$ 208,544.38</b>	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	LS	1	\$ 1,100,000.00	\$ 1,100,000.00	5" & 16"
<b>SUBTOTAL RIGHT OF WAY</b>				<b>\$ 1,100,000.00</b>	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 347,573.96	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 1,100,000.00	
CONSTRUCTION PHASE SERVICES				\$ 208,544.38	
CONSTRUCTION				\$ 3,475,739.64	
<b>TOTAL PROJECT COST</b>				<b>\$ 5,131,857.98</b>	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-22  
ROAD: Lake Olympia Parkway - Segment 2  
LIMITS: FROM: Chimney Rock  
TO: S. Post Oak  
LENGTH: FEET = 5600  
MILES = 1.06

DESCRIPTION: 4 lane concrete curb and gutter with raised median. 100' ROW. Off-site storm sewer system to outfall into Mustang Creek.

**COST SUMMARY**

ENGINEERING	\$	575,107.73
RIGHT OF WAY	\$	1,846,000.00
CONST. PHASE SERVICES	\$	345,064.64
CONSTRUCTION	\$	5,751,077.31
<b>TOTAL</b>	<b>\$</b>	<b>8,517,249.68</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/10/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	56	\$ 5,000.00	\$ 280,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	56	\$ 36,000.00	\$ 2,016,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	66	\$ 20,000.00	\$ 1,320,000.00	some off-site storm to outfall into Mustang Creek
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	1	\$ 25,000.00	\$ 25,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				<b>\$ 3,641,000.00</b>	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				<b>\$ -</b>	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-22  
ROAD: Lake Olympia Parkway - Segment 2  
LIMITS: FROM: Chimney Rock  
TO: S. Post Oak  
LENGTH: FEET = 5600  
MILES = 1.06

DESCRIPTION: 4 lane concrete curb and gutter with raised median. 100' ROW. Off-site storm sewer system to outfall into Mustang Creek.

**COST SUMMARY**

ENGINEERING	\$	575,107.73
RIGHT OF WAY	\$	1,846,000.00
CONST. PHASE SERVICES	\$	345,064.64
CONSTRUCTION	\$	5,751,077.31
<b>TOTAL</b>	<b>\$</b>	<b>8,517,249.68</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/10/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA	2	\$ 125,000.00	\$ 250,000.00	modify at Chimney Rock and at S. Post Oak
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	56	\$ 600.00	\$ 33,600.00	
SWPPP	STA	56	\$ 2,000.00	\$ 112,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 395,600.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF	7.1	\$ 50.00	\$ -	100' ROW by length at 0.55 ac-ft/ac
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ 353,535.35	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 353,535.35	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 43,901.35	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 219,506.77	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,097,533.84	
<b>CONSTRUCTION COST TOTAL</b>				\$ 5,751,077.31	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-22  
ROAD: Lake Olympia Parkway - Segment 2  
LIMITS: FROM: Chimney Rock  
TO: S. Post Oak  
LENGTH: FEET = 5600  
MILES = 1.06

DESCRIPTION: 4 lane concrete curb and gutter with raised median. 100' ROW. Off-site storm sewer system to outfall into Mustang Creek.

**COST SUMMARY**

ENGINEERING	\$	575,107.73
RIGHT OF WAY	\$	1,846,000.00
CONST. PHASE SERVICES	\$	345,064.64
CONSTRUCTION	\$	5,751,077.31
<b>TOTAL</b>	<b>\$</b>	<b>8,517,249.68</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/10/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 230,043.09	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 345,064.64	
<b>SUBTOTAL ENGINEERING</b>				\$ 575,107.73	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 115,021.55	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 230,043.09	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 345,064.64	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	560000	\$ 1.10	\$ 616,000.00	Full 100' ROW
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	3	\$ 10,000.00	\$ 30,000.00	
PIPELINE RELOCATION	EA	2	\$ 600,000.00	\$ 1,200,000.00	9" & 13"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 1,846,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 575,107.73	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 1,846,000.00	
CONSTRUCTION PHASE SERVICES				\$ 345,064.64	
CONSTRUCTION				\$ 5,751,077.31	
<b>TOTAL PROJECT COST</b>				\$ 8,517,249.68	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-23  
ROAD: Beechnut blvd Completion  
LIMITS: FROM: FM 1464  
TO: Lobera Dr.  
LENGTH: FEET = 4230  
MILES = 0.80

DESCRIPTION: Construct 4-lane conc. c&g blvd section and storm sewer, Construct within existing 100' ROW

**COST SUMMARY**

ENGINEERING	\$	379,936.68
RIGHT OF WAY	\$	900,000.00
CONST. PHASE SERVICES	\$	227,962.01
CONSTRUCTION	\$	3,799,366.80
<b>TOTAL</b>	<b>\$</b>	<b>5,307,265.49</b>

PREPARED BY: \_\_\_\_\_

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	42.3	\$ 5,000.00	\$ 211,500.00	Paving items are inclusive of subgrade, base, surface, and earthwork  drainage channel north side of ROW - Cloudin to Lobera Northside existing waterline
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	42.3	\$ 36,000.00	\$ 1,522,800.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	42.3	\$ 20,000.00	\$ 846,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	1	\$ 25,000.00	\$ 25,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 2,605,300.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-23  
ROAD: Beechnut blvd Completion  
LIMITS: FROM: FM 1464  
TO: Lobera Dr.  
LENGTH: FEET = 4230  
MILES = 0.80

DESCRIPTION: Construct 4-lane conc. c&g blvd section and storm sewer, Construct within existing 100' ROW

**COST SUMMARY**

ENGINEERING	\$	379,936.68
RIGHT OF WAY	\$	900,000.00
CONST. PHASE SERVICES	\$	227,962.01
CONSTRUCTION	\$	3,799,366.80
<b>TOTAL</b>	<b>\$</b>	<b>5,307,265.49</b>

PREPARED BY: \_\_\_\_\_

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA	1	\$ 125,000.00	\$ 125,000.00	At Clodine
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	42.3	\$ 600.00	\$ 25,380.00	
SWPPP	STA	42.3	\$ 2,000.00	\$ 84,600.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 234,980.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	1.2	\$ 50,000.00	\$ 60,000.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 60,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 29,002.80	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 145,014.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 725,070.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 3,799,366.80	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-23  
ROAD: Beechnut blvd Completion  
LIMITS: FROM: FM 1464  
TO: Lobera Dr.  
LENGTH: FEET = 4230  
MILES = 0.80

DESCRIPTION: Construct 4-lane conc. c&g blvd section and storm sewer, Construct within existing 100' ROW

**COST SUMMARY**

ENGINEERING	\$	379,936.68
RIGHT OF WAY	\$	900,000.00
CONST. PHASE SERVICES	\$	227,962.01
CONSTRUCTION	\$	3,799,366.80
<b>TOTAL</b>	<b>\$</b>	<b>5,307,265.49</b>

PREPARED BY: \_\_\_\_\_

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 151,974.67	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 227,962.01	
<b>SUBTOTAL ENGINEERING</b>				\$ 379,936.68	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 75,987.34	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 151,974.67	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 227,962.01	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.70	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA	1	\$ 900,000.00	\$ 900,000.00	1-16", 1-5"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 900,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 379,936.68	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 900,000.00	
CONSTRUCTION PHASE SERVICES				\$ 227,962.01	
CONSTRUCTION				\$ 3,799,366.80	
<b>TOTAL PROJECT COST</b>				\$ 5,307,265.49	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-24  
ROAD: Staffordshire Road  
LIMITS: FROM: Scanlin Street  
TO: Stafford City Limits (5th Street)  
LENGTH: FEET = 3500  
MILES = 0.66  
DESCRIPTION: Add sidewalks to existing roadway

**COST SUMMARY**

ENGINEERING	\$	59,605.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	35,763.00
CONSTRUCTION	\$	596,050.00
TOTAL	\$	691,418.00

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	35	\$ 5,000.00	\$ 175,000.00	Sidewalk items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
6' SIDEWALK	STA	35	\$ 6,000.00	\$ 210,000.00	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA		\$ 20,000.00	\$ -	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 385,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	



**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-24  
ROAD: Staffordshire Road  
LIMITS FROM: Scanlin Street  
TO: Stafford City Limits (5th Street)  
LENGTH: FEET = 3500  
MILES = 0.66  
DESCRIPTION: Add sidewalks to existing roadway

**COST SUMMARY**

ENGINEERING	\$	59,605.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	35,763.00
CONSTRUCTION	\$	596,050.00
<b>TOTAL</b>	<b>\$</b>	<b>691,418.00</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA		\$ 600.00	\$ -	
SWPPP	STA	35	\$ 2,000.00	\$ 70,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 70,000.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ -	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 4,550.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 22,750.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 113,750.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 596,050.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-24  
ROAD: Staffordshire Road  
LIMITS: FROM: Scanlin Street  
TO: Stafford City Limits (5th Street)  
LENGTH: FEET = 3500  
MILES = 0.66  
DESCRIPTION: Add sidewalks to existing roadway

**COST SUMMARY**

ENGINEERING	\$	59,605.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	35,763.00
CONSTRUCTION	\$	596,050.00
<b>TOTAL</b>	<b>\$</b>	<b>691,418.00</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 23,842.00	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 35,763.00	
<b>SUBTOTAL ENGINEERING</b>				\$ 59,605.00	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 11,921.00	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 23,842.00	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 35,763.00	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 59,605.00	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 35,763.00	
CONSTRUCTION				\$ 596,050.00	
<b>TOTAL PROJECT COST</b>				\$ 691,418.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-25  
ROAD: Blueridge Road  
LIMITS: FROM: Chasewood  
TO: Rockergate  
LENGTH: FEET = 5500  
MILES = 1.04

DESCRIPTION: Replace aging concrete boulevard with similar.  
For estimating purposes use 50% of limit length.  
Within City of Houston City Limits. No Additional  
ROW needed. Utilize existing bridges

**COST SUMMARY**

ENGINEERING	\$	157,069.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	94,241.40
CONSTRUCTION	\$	1,570,690.00
TOTAL	\$	1,822,000.40

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	27.5	\$ 5,000.00	\$ 137,500.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	27.5	\$ 36,000.00	\$ 990,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA		\$ 20,000.00	\$ -	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 1,127,500.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-25  
ROAD: Blueridge Road  
LIMITS: FROM: Chasewood  
TO: Rockergate  
LENGTH: FEET = 5500  
MILES = 1.04

DESCRIPTION: Replace aging concrete boulevard with similar.  
For estimating purposes use 50% of limit length.  
Within City of Houston City Limits. No Additional  
ROW needed. Utilize existing bridges

**COST SUMMARY**

ENGINEERING	\$	157,069.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	94,241.40
CONSTRUCTION	\$	1,570,690.00
TOTAL	\$	1,822,000.40

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	27.5	\$ 600.00	\$ 16,500.00	
SWPPP	STA	27.5	\$ 2,000.00	\$ 55,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 71,500.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ -	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 11,990.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 59,950.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 299,750.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 1,570,690.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-25  
ROAD: Blueridge Road  
LIMITS: FROM: Chasewood  
TO: Rockergate  
LENGTH: FEET = 5500  
MILES = 1.04

DESCRIPTION: Replace aging concrete boulevard with similar.  
For estimating purposes use 50% of limit length.  
Within City of Houston City Limits. No Additional  
ROW needed. Utilize existing bridges

**COST SUMMARY**

ENGINEERING	\$	157,069.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	94,241.40
CONSTRUCTION	\$	1,570,690.00
TOTAL	\$	1,822,000.40

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 62,827.60	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 94,241.40	
<b>SUBTOTAL ENGINEERING</b>				\$ 157,069.00	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 31,413.80	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 62,827.60	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 94,241.40	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 157,069.00	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 94,241.40	
CONSTRUCTION				\$ 1,570,690.00	
<b>TOTAL PROJECT COST</b>				\$ 1,822,000.40	Land cost plus acquisition cost materials testing & constr. eng

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-26  
ROAD: West Ridgecreek Drive  
LIMITS: FROM: Ridgreek Circle  
TO: West Fuqua Street  
LENGTH: FEET = 8300  
MILES = 1.57

DESCRIPTION: Replace aging concrete with similar. ~3000 feet  
boulevard and ~5300 feet 3 lane concrete. For  
estimating purposes use 50% of limit length.  
Within City of Houston City Limits. No Additional  
ROW needed. Utilize existing bridges

**COST SUMMARY**

ENGINEERING	\$	198,844.90
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	119,306.94
CONSTRUCTION	\$	1,988,449.00
TOTAL	\$	2,306,600.84

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	41.5	\$ 5,000.00	\$ 207,500.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA	26.5	\$ 25,000.00	\$ 662,500.00	
4-LANE DIVIDED C&G (52' F-F)	STA	15	\$ 36,000.00	\$ 540,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA		\$ 20,000.00	\$ -	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 1,410,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-26  
ROAD: West Ridgecreek Drive  
LIMITS: FROM: Ridgreek Circle  
TO: West Fuqua Street  
LENGTH: FEET = 8300  
MILES = 1.57

DESCRIPTION: Replace aging concrete with similar. ~3000 feet  
boulevard and ~5300 feet 3 lane concrete. For  
estimating purposes use 50% of limit length.  
Within City of Houston City Limits. No Additional  
ROW needed. Utilize existing bridges

**COST SUMMARY**

ENGINEERING	\$	198,844.90
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	119,306.94
CONSTRUCTION	\$	1,988,449.00
TOTAL	\$	2,306,600.84

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	41.5	\$ 600.00	\$ 24,900.00	
SWPPP	STA	41.5	\$ 2,000.00	\$ 83,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 107,900.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ -	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 15,179.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 75,895.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 379,475.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 1,988,449.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-26  
ROAD: West Ridgecreek Drive  
LIMITS: FROM: Ridgreek Circle  
TO: West Fuqua Street  
LENGTH: FEET = 8300  
MILES = 1.57

DESCRIPTION: Replace aging concrete with similar. ~3000 feet boulevard and ~5300 feet 3 lane concrete. For estimating purposes use 50% of limit length. Within City of Houston City Limits. No Additional ROW needed. Utilize existing bridges

**COST SUMMARY**

ENGINEERING	\$	198,844.90
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	119,306.94
CONSTRUCTION	\$	1,988,449.00
<b>TOTAL</b>	<b>\$</b>	<b>2,306,600.84</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 79,537.96	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 119,306.94	
<b>SUBTOTAL ENGINEERING</b>				\$ 198,844.90	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 39,768.98	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 79,537.96	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 119,306.94	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 198,844.90	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 119,306.94	
CONSTRUCTION				\$ 1,988,449.00	
<b>TOTAL PROJECT COST</b>				\$ 2,306,600.84	Land cost plus acquisition cost materials testing & constr. eng



**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-27  
ROAD: Chimney Rock Boulevard  
LIMITS: FROM: West Fuqua Street  
TO: FM 2234  
LENGTH: FEET = 7600  
MILES = 1.44

DESCRIPTION: Replace aging concrete with similar. ~2700 feet boulevard and ~4900 feet 3 lane concrete. For estimating purposes use 50% of limit length. Within City of Houston City Limits. No Additional ROW needed. Utilize existing bridges

**COST SUMMARY**

ENGINEERING	\$	181,736.30
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	109,041.78
CONSTRUCTION	\$	1,817,363.00
TOTAL	\$	2,108,141.08

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	38	\$ 5,000.00	\$ 190,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA	24.5	\$ 25,000.00	\$ 612,500.00	
4-LANE DIVIDED C&G (52' F-F)	STA	13.5	\$ 36,000.00	\$ 486,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA		\$ 20,000.00	\$ -	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 1,288,500.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-27  
ROAD: Chimney Rock Boulevard  
LIMITS: FROM: West Fuqua Street  
TO: FM 2234  
LENGTH: FEET = 7600  
MILES = 1.44

DESCRIPTION: Replace aging concrete with similar. ~2700 feet boulevard and ~4900 feet 3 lane concrete. For estimating purposes use 50% of limit length. Within City of Houston City Limits. No Additional ROW needed. Utilize existing bridges

**COST SUMMARY**

ENGINEERING	\$	181,736.30
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	109,041.78
CONSTRUCTION	\$	1,817,363.00
<b>TOTAL</b>	<b>\$</b>	<b>2,108,141.08</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	38	\$ 600.00	\$ 22,800.00	
SWPPP	STA	38	\$ 2,000.00	\$ 76,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 98,800.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ -	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 13,873.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 69,365.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 346,825.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 1,817,363.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-27  
ROAD: Chimney Rock Boulevard  
LIMITS: FROM: West Fuqua Street  
TO: FM 2234  
LENGTH: FEET = 7600  
MILES = 1.44

DESCRIPTION: Replace aging concrete with similar. ~2700 feet boulevard and ~4900 feet 3 lane concrete. For estimating purposes use 50% of limit length. Within City of Houston City Limits. No Additional ROW needed. Utilize existing bridges

**COST SUMMARY**

ENGINEERING	\$	181,736.30
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	109,041.78
CONSTRUCTION	\$	1,817,363.00
<b>TOTAL</b>	<b>\$</b>	<b>2,108,141.08</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 72,694.52	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 109,041.78	
<b>SUBTOTAL ENGINEERING</b>				\$ 181,736.30	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 36,347.26	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 72,694.52	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 109,041.78	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 181,736.30	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 109,041.78	
CONSTRUCTION				\$ 1,817,363.00	
<b>TOTAL PROJECT COST</b>				\$ 2,108,141.08	Land cost plus acquisition cost materials testing & constr. eng

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-28  
ROAD: South Post Oak Rd  
LIMITS: FROM: West Ridgecreek Dr  
              TO: FM 2234  
LENGTH: FEET = 5500  
              MILES = 1.04  
DESCRIPTION: Re-construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	593,561.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	356,136.60
CONSTRUCTION	\$	5,935,610.00
TOTAL	\$	6,885,307.60

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	55.00	\$ 5,000.00	\$ 275,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
2-LANE C&G (32' F-F)	STA		\$ 16,000.00	\$ -	
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	55.00	\$ 36,000.00	\$ 1,980,000.00	
ASPHALT PAVEMENT					at FM 2234 intersection
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
RECONSTRUCTION/WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	55.00	\$ 20,000.00	\$ 1,100,000.00	
CROSS CULVERT	EA	1	\$ 25,000.00	\$ 25,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 3,380,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 1,500.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 3,500.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 6,500.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 6,500.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-28  
ROAD: South Post Oak Rd  
LIMITS: FROM: West Ridgecreek Dr  
TO: FM 2234  
LENGTH: FEET = 5500  
MILES = 1.04  
DESCRIPTION: Re-construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	593,561.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	356,136.60
CONSTRUCTION	\$	5,935,610.00
<b>TOTAL</b>	<b>\$</b>	<b>6,885,307.60</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA	2	\$ 125,000.00	\$ 250,000.00	at Court Rd and FM 2234
ROADWAY ILLUMINATION	MI	1.04	\$ 200,000.00	\$ 208,000.00	
SIGNING & PAVEMENT MARKINGS	STA	55.00	\$ 600.00	\$ 33,000.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	55.00	\$ 2,000.00	\$ 110,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 601,000.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA	55.00	\$ 10,000.00	\$ 550,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 550,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 45,310.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 226,550.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,132,750.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 5,935,610.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-28  
ROAD: South Post Oak Rd  
LIMITS: FROM: West Ridgecreek Dr  
TO: FM 2234  
LENGTH: FEET = 5500  
MILES = 1.04  
DESCRIPTION: Re-construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	593,561.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	356,136.60
CONSTRUCTION	\$	5,935,610.00
<b>TOTAL</b>	<b>\$</b>	<b>6,885,307.60</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 237,424.40	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 356,136.60	
<b>SUBTOTAL ENGINEERING</b>				\$ 593,561.00	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 118,712.20	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 237,424.40	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 356,136.60	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 593,561.00	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 356,136.60	
CONSTRUCTION				\$ 5,935,610.00	
<b>TOTAL PROJECT COST</b>				\$ 6,885,307.60	Land cost plus acquisition cost materials testing & constr. eng

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-29  
ROAD: Court Rd  
LIMITS: FROM: South Post Oak Rd  
            TO: Hiram Clarke Rd  
LENGTH: FEET = 5375  
            MILES = 1.02  
DESCRIPTION: Re-construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	579,740.50
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	347,844.30
CONSTRUCTION	\$	5,797,405.00
TOTAL	\$	6,724,989.80

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	53.75	\$ 5,000.00	\$ 268,750.00	
CONCRETE PAVEMENT					Paving items are inclusive of subgrade,
2-LANE C&G (32' F-F)	STA		\$ 16,000.00	\$ -	base, surface, and earthwork
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	base, surface, and earthwork
4-LANE DIVIDED C&G (52' F-F)	STA	53.00	\$ 36,000.00	\$ 1,908,000.00	Roadway less 75' bridge length
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
RECONSTRUCTION/WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF	4500	\$ 65.00	\$ 292,500.00	2-75' X 30' Bridges over existing channel
STORM SEWER SYSTEM	STA	53.75	\$ 20,000.00	\$ 1,075,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 3,544,250.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 1,500.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 3,500.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 6,500.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 6,500.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-29  
ROAD: Court Rd  
LIMITS: FROM: South Post Oak Rd  
TO: Hiram Clarke Rd  
LENGTH: FEET = 5375  
MILES = 1.02  
DESCRIPTION: Re-construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	579,740.50
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	347,844.30
CONSTRUCTION	\$	5,797,405.00
<b>TOTAL</b>	<b>\$</b>	<b>6,724,989.80</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	1.02	\$ 200,000.00	\$ 204,000.00	
SIGNING & PAVEMENT MARKINGS	STA	53.75	\$ 600.00	\$ 32,250.00	
BLOCK SOD	SY		\$ 5.00		
SWPPP	STA	53.75	\$ 2,000.00	\$ 107,500.00	
<b>SUBTOTAL MISCELLANEOUS</b>				<b>\$ 343,750.00</b>	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA	53.75	\$ 10,000.00	\$ 537,500.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				<b>\$ 537,500.00</b>	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 44,255.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 221,275.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,106,375.00	
<b>CONSTRUCTION COST TOTAL</b>				<b>\$ 5,797,405.00</b>	



**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-29  
ROAD: Court Rd  
LIMITS: FROM: South Post Oak Rd  
              TO: Hiram Clarke Rd  
LENGTH: FEET = 5375  
              MILES = 1.02  
DESCRIPTION: Re-construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	579,740.50
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	347,844.30
CONSTRUCTION	\$	5,797,405.00
<b>TOTAL</b>	<b>\$</b>	<b>6,724,989.80</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 231,896.20	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 347,844.30	
<b>SUBTOTAL ENGINEERING</b>				\$ 579,740.50	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 115,948.10	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 231,896.20	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 347,844.30	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 579,740.50	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 347,844.30	
CONSTRUCTION				\$ 5,797,405.00	
<b>TOTAL PROJECT COST</b>				\$ 6,724,989.80	Land cost plus acquisition cost materials testing & constr. eng

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-30  
ROAD: Court Rd Extension  
LIMITS: FROM: Chimney Road Rd  
TO: Quailynn Dr  
LENGTH: FEET = 8100  
MILES = 1.53  
  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter + 150'  
Channel Crossing + 250' Channel Crossing + 600'  
Underpass with Retaining Wall Abutments

**COST SUMMARY**

ENGINEERING	\$	1,446,633.00
RIGHT OF WAY	\$	2,550,000.00
CONST. PHASE SERVICES	\$	867,979.80
CONSTRUCTION	\$	14,466,330.00
TOTAL	\$	19,330,942.80

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	81.00	\$ 5,000.00	\$ 405,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
2-LANE C&G (32' F-F)	STA		\$ 16,000.00	\$ -	
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	71.00	\$ 36,000.00	\$ 2,556,000.00	Roadway less bridge lengths
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
RECONSTRUCTION/WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF	60000	\$ 65.00	\$ 3,900,000.00	2-150' x 30' + 2-250' x 30' + 2-600' x 30' (Channel, Channel, Underpass)
STORM SEWER SYSTEM	STA	81.00	\$ 20,000.00	\$ 1,620,000.00	
CROSS CULVERT	EA	2	\$ 25,000.00	\$ 50,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 8,531,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA	20.25	\$ 1,500.00	\$ 30,375.00	25% of the length of the project
RELOCATE WATER TRANSMISSION	STA	32.4	\$ 3,500.00	\$ 113,400.00	40% of the length of the project
RELOCATE SANITARY SEWER	STA	20.25	\$ 6,500.00	\$ 131,625.00	25% of the length of the project
RELOCATE FORCE MAIN	STA		\$ 6,500.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ 275,400.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-30  
ROAD: Court Rd Extension  
LIMITS: FROM: Chimney Road Rd  
TO: Quailynn Dr  
LENGTH: FEET = 8100  
MILES = 1.53  
  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter + 150'  
Channel Crossing + 250' Channel Crossing + 600'  
Underpass with Retaining Wall Abutments

**COST SUMMARY**

ENGINEERING	\$	1,446,633.00
RIGHT OF WAY	\$	2,550,000.00
CONST. PHASE SERVICES	\$	867,979.80
CONSTRUCTION	\$	14,466,330.00
<b>TOTAL</b>	<b>\$</b>	<b>19,330,942.80</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA	2	\$ 125,000.00	\$ 250,000.00	at Chimney Road Rd and Moffett Ln
ROADWAY ILLUMINATION	MI	1.53	\$ 200,000.00	\$ 306,000.00	
SIGNING & PAVEMENT MARKINGS	STA	81.00	\$ 600.00	\$ 48,600.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	81.00	\$ 2,000.00	\$ 162,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 766,600.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF	13200	\$ 50.00	\$ 660,000.00	2-300'/2 + 2-20*30
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA	81.00	\$ 10,000.00	\$ 810,000.00	
SIDEWALK	STA	81.00	\$ 6,000.00	\$ 486,000.00	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 1,470,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 110,430.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 552,150.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 2,760,750.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 14,466,330.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-30  
ROAD: Court Rd Extension  
LIMITS: FROM: Chimney Road Rd  
TO: Quailynn Dr  
LENGTH: FEET = 8100  
MILES = 1.53  
  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter + 150'  
Channel Crossing + 250' Channel Crossing + 600'  
Underpass with Retaining Wall Abutments

**COST SUMMARY**

ENGINEERING	\$	1,446,633.00
RIGHT OF WAY	\$	2,550,000.00
CONST. PHASE SERVICES	\$	867,979.80
CONSTRUCTION	\$	14,466,330.00
<b>TOTAL</b>	<b>\$</b>	<b>19,330,942.80</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 578,653.20	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 867,979.80	
<b>SUBTOTAL ENGINEERING</b>				\$ 1,446,633.00	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 289,326.60	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 578,653.20	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 867,979.80	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	972000	\$ 2.50	\$ 2,430,000.00	8100' x 120'
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	12	\$ 10,000.00	\$ 120,000.00	
PIPELINE RELOCATION	EA				
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 2,550,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 1,446,633.00	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 2,550,000.00	
CONSTRUCTION PHASE SERVICES				\$ 867,979.80	
CONSTRUCTION				\$ 14,466,330.00	
<b>TOTAL PROJECT COST</b>				\$ 19,330,942.80	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-31  
ROAD: Park Manor Dr  
LIMITS: FROM: FM 2234  
TO: Court Rd  
LENGTH: FEET = 2260  
MILES = 0.43  
DESCRIPTION: Re-construct 2-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	207,367.76
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	124,420.66
CONSTRUCTION	\$	2,073,677.60
TOTAL	\$	2,405,466.02

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	22.60	\$ 5,000.00	\$ 113,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
2-LANE C&G (32' F-F)	STA	22.60	\$ 16,000.00	\$ 361,600.00	
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
RECONSTRUCTION/WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	at FM 2234
STORM SEWER SYSTEM	STA	22.60	\$ 20,000.00	\$ 452,000.00	
CROSS CULVERT	EA	1	\$ 25,000.00	\$ 25,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 951,600.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 1,500.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 3,500.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 6,500.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 6,500.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-31  
ROAD: Park Manor Dr  
LIMITS: FROM: FM 2234  
TO: Court Rd  
LENGTH: FEET = 2260  
MILES = 0.43  
DESCRIPTION: Re-construct 2-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	207,367.76
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	124,420.66
CONSTRUCTION	\$	2,073,677.60
<b>TOTAL</b>	<b>\$</b>	<b>2,405,466.02</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA	1	\$ 125,000.00	\$ 125,000.00	at FM 2234
ROADWAY ILLUMINATION	MI	0.43	\$ 200,000.00	\$ 86,000.00	
SIGNING & PAVEMENT MARKINGS	STA	22.60	\$ 600.00	\$ 13,560.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	22.60	\$ 2,000.00	\$ 45,200.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 269,760.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA	22.60	\$ 10,000.00	\$ 226,000.00	
SIDEWALK	STA	22.60	\$ 6,000.00	\$ 135,600.00	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 361,600.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 15,829.60	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 79,148.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 395,740.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 2,073,677.60	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-31  
ROAD: Park Manor Dr  
LIMITS: FROM: FM 2234  
TO: Court Rd  
LENGTH: FEET = 2260  
MILES = 0.43  
DESCRIPTION: Re-construct 2-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	207,367.76
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	124,420.66
CONSTRUCTION	\$	2,073,677.60
<b>TOTAL</b>	<b>\$</b>	<b>2,405,466.02</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 82,947.10	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 124,420.66	
<b>SUBTOTAL ENGINEERING</b>				\$ 207,367.76	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 41,473.55	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 82,947.10	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 124,420.66	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 207,367.76	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 124,420.66	
CONSTRUCTION				\$ 2,073,677.60	
<b>TOTAL PROJECT COST</b>				\$ 2,405,466.02	Land cost plus acquisition cost materials testing & constr. eng

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-32  
ROAD: Fondren Road  
LIMITS: FROM: Beltway 8  
TO: West Fuqua Street  
LENGTH: FEET = 6800  
MILES = 1.29

DESCRIPTION: Add sidewalks to existing roadway. No proposed bridges.

**COST SUMMARY**

ENGINEERING	\$	115,804.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	69,482.40
CONSTRUCTION	\$	1,158,040.00
TOTAL	\$	1,343,326.40

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	68	\$ 5,000.00	\$ 340,000.00	Sidewalk items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
6' SIDEWALK	STA	68	\$ 6,000.00	\$ 408,000.00	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA		\$ 20,000.00	\$ -	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 748,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	



**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-32  
ROAD: Fondren Road  
LIMITS: FROM: Beltway 8  
TO: West Fuqua Street  
LENGTH: FEET = 6800  
MILES = 1.29

DESCRIPTION: Add sidewalks to existing roadway. No proposed bridges.

**COST SUMMARY**

ENGINEERING	\$	115,804.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	69,482.40
CONSTRUCTION	\$	1,158,040.00
<b>TOTAL</b>	<b>\$</b>	<b>1,343,326.40</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA		\$ 600.00	\$ -	
SWPPP	STA	68	\$ 2,000.00	\$ 136,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 136,000.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ -	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 8,840.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 44,200.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 221,000.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 1,158,040.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-32  
ROAD: Fondren Road  
LIMITS: FROM: Beltway 8  
TO: West Fuqua Street  
LENGTH: FEET = 6800  
MILES = 1.29

DESCRIPTION: Add sidewalks to existing roadway. No proposed bridges.

**COST SUMMARY**

ENGINEERING	\$	115,804.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	69,482.40
CONSTRUCTION	\$	1,158,040.00
<b>TOTAL</b>	<b>\$</b>	<b>1,343,326.40</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 46,321.60	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 69,482.40	
<b>SUBTOTAL ENGINEERING</b>				<b>\$ 115,804.00</b>	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 23,160.80	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 46,321.60	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				<b>\$ 69,482.40</b>	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				<b>\$ -</b>	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 115,804.00	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 69,482.40	
CONSTRUCTION				\$ 1,158,040.00	
<b>TOTAL PROJECT COST</b>				<b>\$ 1,343,326.40</b>	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-33  
ROAD: Blueridge Road (sidewalks)  
LIMITS: FROM: Rockergate  
TO: FM 2234 (McHard Rd)  
LENGTH: FEET = 4300  
MILES = 0.81

DESCRIPTION: Add sidewalks to existing roadway. No proposed bridges.

**COST SUMMARY**

ENGINEERING	\$	73,229.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	43,937.40
CONSTRUCTION	\$	732,290.00
TOTAL	\$	849,456.40

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	43	\$ 5,000.00	\$ 215,000.00	Sidewalk items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
6' SIDEWALK	STA	43	\$ 6,000.00	\$ 258,000.00	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA		\$ 20,000.00	\$ -	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 473,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-33  
ROAD: Blueridge Road (sidewalks)  
LIMITS: FROM: Rockergate  
TO: FM 2234 (McHard Rd)  
LENGTH: FEET = 4300  
MILES = 0.81

DESCRIPTION: Add sidewalks to existing roadway. No proposed bridges.

**COST SUMMARY**

ENGINEERING	\$	73,229.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	43,937.40
CONSTRUCTION	\$	732,290.00
<b>TOTAL</b>	<b>\$</b>	<b>849,456.40</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA		\$ 600.00	\$ -	
SWPPP	STA	43	\$ 2,000.00	\$ 86,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 86,000.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ -	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 5,590.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 27,950.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 139,750.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 732,290.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-33  
ROAD: Blueridge Road (sidewalks)  
LIMITS: FROM: Rockergate  
TO: FM 2234 (McHard Rd)  
LENGTH: FEET = 4300  
MILES = 0.81

DESCRIPTION: Add sidewalks to existing roadway. No proposed bridges.

**COST SUMMARY**

ENGINEERING	\$	73,229.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	43,937.40
CONSTRUCTION	\$	732,290.00
<b>TOTAL</b>	<b>\$</b>	<b>849,456.40</b>

PREPARED BY: Justin R. Ring, P.E. - EHRA, Inc.

Date: 06/11/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 29,291.60	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 43,937.40	
<b>SUBTOTAL ENGINEERING</b>				\$ 73,229.00	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 14,645.80	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 29,291.60	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 43,937.40	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 73,229.00	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 43,937.40	
CONSTRUCTION				\$ 732,290.00	
<b>TOTAL PROJECT COST</b>				<b>\$ 849,456.40</b>	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-34  
ROAD: Hillcroft Ave Sidewalks  
LIMITS: FROM: Beltway 8  
              TO: Fondren Rd  
LENGTH: FEET = 5290  
              MILES = 1.00  
DESCRIPTION: Construct Sidewalks

**COST SUMMARY**

ENGINEERING	\$	62,369.10
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	37,421.46
CONSTRUCTION	\$	623,691.00
<b>TOTAL</b>	<b>\$</b>	<b>723,481.56</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA		\$ 5,000.00	\$ -	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
2-LANE C&G (32' F-F)	STA		\$ 16,000.00	\$ -	
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
RECONSTRUCTION/WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA		\$ 20,000.00	\$ -	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ -	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 1,500.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 3,500.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 6,500.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 6,500.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-34  
ROAD: Hillcroft Ave Sidewalks  
LIMITS: FROM: Beltway 8  
TO: Fondren Rd  
LENGTH: FEET = 5290  
MILES = 1.00  
DESCRIPTION: Construct Sidewalks

**COST SUMMARY**

ENGINEERING	\$	62,369.10
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	37,421.46
CONSTRUCTION	\$	623,691.00
<b>TOTAL</b>	<b>\$</b>	<b>723,481.56</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA		\$ 600.00	\$ -	
BLOCK SOD	SY	10580	\$ 5.00	\$ 52,900.00	
SWPPP	STA	52.90	\$ 2,000.00	\$ 105,800.00	
<b>SUBTOTAL MISCELLANEOUS</b>				<b>\$ 158,700.00</b>	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
SIDEWALK	STA	52.90	\$ 6,000.00	\$ 317,400.00	
<b>SUBTOTAL SPECIAL ITEMS</b>				<b>\$ 317,400.00</b>	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 4,761.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 23,805.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 119,025.00	
<b>CONSTRUCTION COST TOTAL</b>				<b>\$ 623,691.00</b>	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-34  
ROAD: Hillcroft Ave Sidewalks  
LIMITS: FROM: Beltway 8  
              TO: Fondren Rd  
LENGTH: FEET = 5290  
              MILES = 1.00  
DESCRIPTION: Construct Sidewalks

**COST SUMMARY**

ENGINEERING	\$	62,369.10
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	37,421.46
CONSTRUCTION	\$	623,691.00
<b>TOTAL</b>	<b>\$</b>	<b>723,481.56</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 24,947.64	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 37,421.46	
<b>SUBTOTAL ENGINEERING</b>				\$ 62,369.10	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 12,473.82	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 24,947.64	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 37,421.46	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	5470' x 60' + 7355' x 120'
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 62,369.10	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 37,421.46	
CONSTRUCTION				\$ 623,691.00	
<b>TOTAL PROJECT COST</b>				<b>\$ 723,481.56</b>	



**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-35  
ROAD: South Post Oak Rd Sidewalks  
LIMITS: FROM: West Ridgecreek Dr  
TO: FM 2234  
LENGTH: FEET = 5500  
MILES = 1.04  
DESCRIPTION: Re-construct Sidewalks

**COST SUMMARY**

ENGINEERING	\$	17,612.22
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	10,567.33
CONSTRUCTION	\$	176,122.22
<b>TOTAL</b>	<b>\$</b>	<b>204,301.78</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA		\$ 5,000.00	\$ -	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
2-LANE C&G (32' F-F)	STA		\$ 16,000.00	\$ -	
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
RECONSTRUCTION/WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA		\$ 20,000.00	\$ -	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ -	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 1,500.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 3,500.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 6,500.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 6,500.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-35  
ROAD: South Post Oak Rd Sidewalks  
LIMITS: FROM: West Ridgecreek Dr  
TO: FM 2234  
LENGTH: FEET = 5500  
MILES = 1.04  
DESCRIPTION: Re-construct Sidewalks

**COST SUMMARY**

ENGINEERING	\$	17,612.22
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	10,567.33
CONSTRUCTION	\$	176,122.22
<b>TOTAL</b>	<b>\$</b>	<b>204,301.78</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA		\$ 600.00	\$ -	
BLOCK SOD	SY	4888.89	\$ 5.00	\$ 24,444.44	
SWPPP	STA	55.00	\$ 2,000.00	\$ 110,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				<b>\$ 134,444.44</b>	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
SIDEWALK	STA	55.00	\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				<b>\$ -</b>	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 1,344.44	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 6,722.22	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 33,611.11	
<b>CONSTRUCTION COST TOTAL</b>				<b>\$ 176,122.22</b>	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-35  
ROAD: South Post Oak Rd Sidewalks  
LIMITS: FROM: West Ridgecreek Dr  
TO: FM 2234  
LENGTH: FEET = 5500  
MILES = 1.04  
DESCRIPTION: Re-construct Sidewalks

**COST SUMMARY**

ENGINEERING	\$	17,612.22
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	10,567.33
CONSTRUCTION	\$	176,122.22
<b>TOTAL</b>	<b>\$</b>	<b>204,301.78</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 7,044.89	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 10,567.33	
<b>SUBTOTAL ENGINEERING</b>				\$ 17,612.22	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 3,522.44	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 7,044.89	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 10,567.33	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 17,612.22	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 10,567.33	
CONSTRUCTION				\$ 176,122.22	
<b>TOTAL PROJECT COST</b>				\$ 204,301.78	Land cost plus acquisition cost materials testing & constr. eng

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-36  
ROAD: FM 2234 Sidewalks  
LIMITS: FROM: 430' East of Quail Glen Dr  
TO: 310' East of Turtle Creek Dr  
LENGTH: FEET = 2250  
MILES = 0.43  
DESCRIPTION: Construct Sidewalks

**COST SUMMARY**

ENGINEERING	\$	26,527.50
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	15,916.50
CONSTRUCTION	\$	265,275.00
TOTAL	\$	307,719.00

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA		\$ 5,000.00	\$ -	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
2-LANE C&G (32' F-F)	STA		\$ 16,000.00	\$ -	
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
RECONSTRUCTION/WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA		\$ 20,000.00	\$ -	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ -	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 1,500.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 3,500.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 6,500.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 6,500.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-36  
ROAD: FM 2234 Sidewalks  
LIMITS: FROM: 430' East of Quail Glen Dr  
TO: 310' East of Turtle Creek Dr  
LENGTH: FEET = 2250  
MILES = 0.43  
DESCRIPTION: Construct Sidewalks

**COST SUMMARY**

ENGINEERING	\$	26,527.50
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	15,916.50
CONSTRUCTION	\$	265,275.00
<b>TOTAL</b>	<b>\$</b>	<b>307,719.00</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA		\$ 600.00	\$ -	
BLOCK SOD	SY	4500	\$ 5.00	\$ 22,500.00	
SWPPP	STA	22.50	\$ 2,000.00	\$ 45,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 67,500.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
SIDEWALK	STA	22.50	\$ 6,000.00	\$ 135,000.00	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 135,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 2,025.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 10,125.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 50,625.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 265,275.00	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-36  
ROAD: FM 2234 Sidewalks  
LIMITS: FROM: 430' East of Quail Glen Dr  
TO: 310' East of Turtle Creek Dr  
LENGTH: FEET = 2250  
MILES = 0.43  
DESCRIPTION: Construct Sidewalks

**COST SUMMARY**

ENGINEERING	\$	26,527.50
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	15,916.50
CONSTRUCTION	\$	265,275.00
<b>TOTAL</b>	<b>\$</b>	<b>307,719.00</b>

PREPARED BY: Matthew Estes

Date: 06/18/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 10,611.00	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 15,916.50	
<b>SUBTOTAL ENGINEERING</b>				\$ 26,527.50	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 5,305.50	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 10,611.00	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 15,916.50	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.50	\$ -	5470' x 60' + 7355' x 120'
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 26,527.50	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 15,916.50	
CONSTRUCTION				\$ 265,275.00	
<b>TOTAL PROJECT COST</b>				<b>\$ 307,719.00</b>	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-37  
ROAD: Beechnut blvd Completion  
LIMITS: FROM: Harlem  
TO: FM 1464  
LENGTH: FEET = 8750  
MILES = 1.66

DESCRIPTION: Construct 4-Lane divided conc. c&g blvd section and storm sewer, Construct within existing 100' ROW

**COST SUMMARY**

ENGINEERING	\$	749,320.00
RIGHT OF WAY	\$	3,300,000.00
CONST. PHASE SERVICES	\$	449,592.00
CONSTRUCTION	\$	7,493,200.00
<b>TOTAL</b>	<b>\$</b>	<b>11,992,112.00</b>

PREPARED BY: \_\_\_\_\_

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	87.5	\$ 5,000.00	\$ 437,500.00	Paving items are inclusive of subgrade, base, surface, and earthwork  powerpole on south ROW line ** Gas line markers in north ditch line large pipeline ROW on East end intersection already done  50% developer participation
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	87.5	\$ 36,000.00	\$ 3,150,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	87.5	\$ 20,000.00	\$ 1,750,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	1	\$ 25,000.00	\$ 25,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 5,362,500.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ -	

**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-37  
ROAD: Beechnut blvd Completion  
LIMITS: FROM: Harlem  
TO: FM 1464  
LENGTH: FEET = 8750  
MILES = 1.66

DESCRIPTION: Construct 4-Lane divided conc. c&g blvd section and storm sewer, Construct within existing 100' ROW

**COST SUMMARY**

ENGINEERING	\$	749,320.00
RIGHT OF WAY	\$	3,300,000.00
CONST. PHASE SERVICES	\$	449,592.00
CONSTRUCTION	\$	7,493,200.00
<b>TOTAL</b>	<b>\$</b>	<b>11,992,112.00</b>

PREPARED BY: \_\_\_\_\_

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	87.5	\$ 600.00	\$ 52,500.00	
SWPPP	STA	87.5	\$ 2,000.00	\$ 175,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 227,500.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	2.6	\$ 50,000.00	\$ 130,000.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 130,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 57,200.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 286,000.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,430,000.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 7,493,200.00	



**PROGRAM ESTIMATE  
FORT BEND COUNTY MOBILITY BOND 2013**

PROJECT NO: 2-37  
ROAD: Beechnut blvd Completion  
LIMITS: FROM: Harlem  
TO: FM 1464  
LENGTH: FEET = 8750  
MILES = 1.66

DESCRIPTION: Construct 4-Lane divided conc. c&g blvd section and storm sewer, Construct within existing 100' ROW

**COST SUMMARY**

ENGINEERING	\$	749,320.00
RIGHT OF WAY	\$	3,300,000.00
CONST. PHASE SERVICES	\$	449,592.00
CONSTRUCTION	\$	7,493,200.00
<b>TOTAL</b>	<b>\$</b>	<b>11,992,112.00</b>

PREPARED BY: \_\_\_\_\_

Date: \_\_\_\_\_

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 299,728.00	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 449,592.00	
<b>SUBTOTAL ENGINEERING</b>				\$ 749,320.00	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 149,864.00	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 299,728.00	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 449,592.00	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 2.70	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA	1	\$ 3,300,000.00	\$ 3,300,000.00	2-30", 1-20", 1-14", 1-7"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 3,300,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 749,320.00	
RIGHT OF WAY				\$ 3,300,000.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 449,592.00	materials testing & constr. eng
CONSTRUCTION				\$ 7,493,200.00	
<b>TOTAL PROJECT COST</b>				\$ 11,992,112.00	