

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

PROJECT NO: 3-01  
ROAD: Spring Green  
LIMITS: FROM: Avalon at Katy  
            TO: Hawks Praire Blvd.  
LENGTH: FEET = 5300  
            MILES = 1.00

DESCRIPTION: Connect Avalon at Katy to Hawks Prairie Blvd  
with a 4-Lane Divided Conc Curb & Gutter  
Roadway  
Also includes Roundabout construction and  
Bridge over detention pond

**COST SUMMARY**

ENGINEERING	\$	710,200.89
RIGHT OF WAY	\$	1,747,200.00
CONST. PHASE SERVICES	\$	426,120.53
CONSTRUCTION	\$	7,102,008.86
TOTAL	\$	9,985,530.28

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	53.00	\$ 5,000.00	\$ 265,000.00	
CONCRETE PAVEMENT					
2-LANE C&G (32' F-F)	STA		\$ 16,000.00	\$ -	Paving items are inclusive of subgrade,
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	base, surface, and earthwork
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' Channel Crossing
STORM SEWER SYSTEM	STA	53.00	\$ 20,000.00	\$ 1,060,000.00	
CROSS CULVERT	EA	3	\$ 25,000.00	\$ 75,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 4,358,000.00	
<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>				\$ -	

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<b>TOTAL</b>	<b>\$</b>	<b>9,985,530.28</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	1	\$ 200,000.00	\$ 200,000.00	
SIGNING & PAVEMENT MARKINGS	STA	53.00	\$ 600.00	\$ 31,800.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	53.00	\$ 2,000.00	\$ 106,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				<b>\$ 337,800.00</b>	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	3.91	\$ 50,000.00	\$ 195,580.81	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA	53.00	\$ 10,000.00	\$ 530,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				<b>\$ 725,580.81</b>	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 54,213.81	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 271,069.04	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,355,345.20	
<b>CONSTRUCTION COST TOTAL</b>				<b>\$ 7,102,008.86</b>	

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LENGTH: FEET = 5300  
              MILES = 1.00

DESCRIPTION: Connect Avalon at Katy to Hawks Prairie Blvd  
with a 4-Lane Divided Conc Curb & Gutter  
Roadway  
Also includes Roundabout construction and  
Bridge over detention pond

**COST SUMMARY**

ENGINEERING	\$	710,200.89
RIGHT OF WAY	\$	1,747,200.00
CONST. PHASE SERVICES	\$	426,120.53
CONSTRUCTION	\$	7,102,008.86
<b>TOTAL</b>	<b>\$</b>	<b>9,985,530.28</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%	\$ 284,080.35	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 426,120.53	
<b>SUBTOTAL ENGINEERING</b>				\$ 710,200.89	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 142,040.18	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 284,080.35	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 426,120.53	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	636000	\$ 2.70	\$ 1,717,200.00	5300' X 120'
HARD CORNERS	SF		\$ 2.70	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	3	\$ 10,000.00	\$ 30,000.00	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 1,747,200.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 710,200.89	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 1,747,200.00	
CONSTRUCTION PHASE SERVICES				\$ 426,120.53	
CONSTRUCTION				\$ 7,102,008.86	
<b>TOTAL PROJECT COST</b>				\$ 9,985,530.28	

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

PROJECT NO: 3-03  
ROAD: FM 1463-Segment 1  
LIMITS: FROM: IH 10  
              TO: Spring Green  
LENGTH: FEET = 5430  
              MILES = 1.03  
  
DESCRIPTION: Reconstruct FM 1463 from IH-10 to Spring Green  
                  Extension to a 4-Lane Divided Conc Curb &  
                  Gutter Roadway

**COST SUMMARY**

ENGINEERING	\$	747,620.31
RIGHT OF WAY	\$	3,454,520.00
CONST. PHASE SERVICES	\$	448,572.19
CONSTRUCTION	\$	7,476,203.11
<b>TOTAL</b>	<b>\$</b>	<b>12,126,915.60</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	54.30	\$ 5,000.00	\$ 271,500.00	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	54.30	\$ 36,000.00	\$ 1,954,800.00	
ASPHALT PAVEMENT					2-120'x30' Willow Fork Crossing
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	7200	\$ 65.00	\$ 468,000.00	
STORM SEWER SYSTEM	STA	54.30	\$ 20,000.00	\$ 1,086,000.00	
CROSS CULVERT	EA	2	\$ 25,000.00	\$ 50,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				<b>\$ 3,830,300.00</b>	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA	13.58	\$ 1,500.00	\$ 20,362.50	25% of the length of the project
RELOCATE WATER TRANSMISSION	STA	13.58	\$ 3,500.00	\$ 47,512.50	25% of the length of the project
RELOCATE SANITARY SEWER	STA	13.58	\$ 6,500.00	\$ 88,237.50	25% of the length of the project
RELOCATE FORCE MAIN	STA	5.43	\$ 6,500.00	\$ 35,295.00	10% of the length of the project
<b>SUBTOTAL UTILITIES</b>				<b>\$ 191,407.50</b>	

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LIMITS: FROM: IH 10  
              TO: Spring Green  
LENGTH: FEET = 5430  
              MILES = 1.03  
  
DESCRIPTION: Reconstruct FM 1463 from IH-10 to Spring Green  
                  Extension to a 4-Lane Divided Conc Curb &  
                  Gutter Roadway

**COST SUMMARY**

ENGINEERING	\$	747,620.31
RIGHT OF WAY	\$	3,454,520.00
CONST. PHASE SERVICES	\$	448,572.19
CONSTRUCTION	\$	7,476,203.11
<b>TOTAL</b>	<b>\$</b>	<b>12,126,915.60</b>

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA	2	\$ 125,000.00	\$ 250,000.00	I-10 at EBFR, Spring Green
ROADWAY ILLUMINATION	MI	1.03	\$ 200,000.00	\$ 206,000.00	
SIGNING & PAVEMENT MARKINGS	STA	54.30	\$ 600.00	\$ 32,580.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	54.30	\$ 2,000.00	\$ 108,600.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 597,180.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	3.57	\$ 50,000.00	\$ 178,257.58	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA	54.30	\$ 10,000.00	\$ 543,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 721,257.58	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	5%	\$ 267,007.25	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	10%	\$ 534,014.51	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,335,036.27	
<b>CONSTRUCTION COST TOTAL</b>				\$ 7,476,203.11	

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LIMITS: FROM: IH 10  
              TO: Spring Green  
LENGTH: FEET = 5430  
              MILES = 1.03  
  
DESCRIPTION: Reconstruct FM 1463 from IH-10 to Spring Green  
                  Extension to a 4-Lane Divided Conc Curb &  
                  Gutter Roadway

**COST SUMMARY**

ENGINEERING	\$	747,620.31
RIGHT OF WAY	\$	3,454,520.00
CONST. PHASE SERVICES	\$	448,572.19
CONSTRUCTION	\$	7,476,203.11
<b>TOTAL</b>	<b>\$</b>	<b>12,126,915.60</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%	\$ 299,048.12	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 448,572.19	
<b>SUBTOTAL ENGINEERING</b>				\$ 747,620.31	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 149,524.06	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 299,048.12	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 448,572.19	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	108600	\$ 5.70	\$ 619,020.00	5430' X 20'
HARD CORNERS	SF	15000	\$ 5.70	\$ 85,500.00	3 Intersections
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	25	\$ 10,000.00	\$ 250,000.00	
PIPELINE RELOCATION (under 8")	EA	1	\$ 300,000.00	\$ 300,000.00	7" Gas
PIPELINE RELOCATION (8'-16")	EA	1	\$ 600,000.00	\$ 600,000.00	9" Crude
PIPELINE RELOCATION (above 16")	EA	2	\$ 800,000.00	\$ 1,600,000.00	2-20" Gas
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 3,454,520.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 747,620.31	
RIGHT OF WAY				\$ 3,454,520.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 448,572.19	materials testing & constr. eng
CONSTRUCTION				\$ 7,476,203.11	
<b>TOTAL PROJECT COST</b>				\$ 12,126,915.60	

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

PROJECT NO: 3-04  
ROAD: FM 1463-Segment 2  
LIMITS: FROM: Cain Island  
            TO: FM 1093  
LENGTH: FEET = 28,000  
            MILES = 5.30  
  
DESCRIPTION: Reconstruct FM 1463 from Cain Island to fm 1093  
                  to a 4-Lane Divided Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	3,377,386.87
RIGHT OF WAY	\$	6,197,000.00
CONST. PHASE SERVICES	\$	2,026,432.12
CONSTRUCTION	\$	33,773,868.69
<b>TOTAL</b>	<b>\$</b>	<b>45,374,687.68</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	280.00	\$ 5,000.00	\$ 1,400,000.00	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	280.00	\$ 36,000.00	\$ 10,080,000.00	
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	280.00	\$ 20,000.00	\$ 5,600,000.00	
CROSS CULVERT	EA	12	\$ 25,000.00	\$ 300,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 17,380,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA	70.00	\$ 1,500.00	\$ 105,000.00	25% of the length of the project
RELOCATE WATER TRANSMISSION	STA	70.00	\$ 3,500.00	\$ 245,000.00	25% of the length of the project
RELOCATE SANITARY SEWER	STA	70.00	\$ 6,500.00	\$ 455,000.00	25% of the length of the project
RELOCATE FORCE MAIN	STA	28.00	\$ 6,500.00	\$ 182,000.00	10% of the length of the project
<b>SUBTOTAL UTILITIES</b>				\$ 987,000.00	

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

PROJECT NO: 3-04  
ROAD: FM 1463-Segment 2  
LIMITS: FROM: Cain Island  
TO: FM 1093  
LENGTH: FEET = 28,000  
MILES = 5.30  
DESCRIPTION: Reconstruct FM 1463 from Cain Island to fm 1093  
to a 4-Lane Divided Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	3,377,386.87
RIGHT OF WAY	\$	6,197,000.00
CONST. PHASE SERVICES	\$	2,026,432.12
CONSTRUCTION	\$	33,773,868.69
<b>TOTAL</b>	<b>\$</b>	<b>45,374,687.68</b>

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA	2	\$ 125,000.00	\$ 250,000.00	S. Fry, Crossover
ROADWAY ILLUMINATION	MI	5.30	\$ 200,000.00	\$ 1,060,000.00	
SIGNING & PAVEMENT MARKINGS	STA	280.00	\$ 600.00	\$ 168,000.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	280.00	\$ 2,000.00	\$ 560,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 2,038,000.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	18.38	\$ 50,000.00	\$ 919,191.92	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA	280.00	\$ 10,000.00	\$ 2,800,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 3,719,191.92	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	5%	\$ 1,206,209.60	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	10%	\$ 2,412,419.19	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 6,031,047.98	
<b>CONSTRUCTION COST TOTAL</b>				\$ 33,773,868.69	



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

PROJECT NO: 3-04  
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LIMITS: FROM: Cain Island  
            TO: FM 1093  
LENGTH: FEET = 28,000  
            MILES = 5.30

DESCRIPTION: Reconstruct FM 1463 from Cain Island to fm 1093  
to a 4-Lane Divided Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	3,377,386.87
RIGHT OF WAY	\$	6,197,000.00
CONST. PHASE SERVICES	\$	2,026,432.12
CONSTRUCTION	\$	33,773,868.69
<b>TOTAL</b>	<b>\$</b>	<b>45,374,687.68</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%	\$ 1,350,954.75	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 2,026,432.12	
<b>SUBTOTAL ENGINEERING</b>				\$ 3,377,386.87	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 675,477.37	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 1,350,954.75	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 2,026,432.12	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	560000	\$ 2.70	\$ 1,512,000.00	28000' x 20'
HARD CORNERS	SF	50000	\$ 2.70	\$ 135,000.00	10 Intersections
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	45	\$ 10,000.00	\$ 450,000.00	
PIPELINE RELOCATION (under 8")	EA	3	\$ 300,000.00	\$ 900,000.00	4" Gas + 5" Gas + 4" Nitrogen
PIPELINE RELOCATION (8'-16")	EA		\$ 600,000.00	\$ -	
PIPELINE RELOCATION (above 16")	EA	4	\$ 800,000.00	\$ 3,200,000.00	1-24" Crude + 3-30" Gas
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 6,197,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 3,377,386.87	
RIGHT OF WAY				\$ 6,197,000.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 2,026,432.12	materials testing & constr. eng
CONSTRUCTION				\$ 33,773,868.69	
<b>TOTAL PROJECT COST</b>				\$ 45,374,687.68	

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

PROJECT NO: 3-06  
ROAD: Bellaire-Segment 3  
LIMITS: FROM: Drainage Ditch (Sierra Bend)  
TO: Parkway Lakes Ln  
LENGTH: FEET = 3000  
MILES = 0.57  
DESCRIPTION: Construct remaining half of Bellaire Blvd from  
Drainage Ditch to Parkway Lakes Ln

**COST SUMMARY**

ENGINEERING	\$	233,442.00
RIGHT OF WAY	\$	3,682,000.00
CONST. PHASE SERVICES	\$	140,065.20
CONSTRUCTION	\$	2,334,420.00
TOTAL	\$	6,389,927.20

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	30.00	\$ 5,000.00	\$ 150,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork  30 Half Sta
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	15.00	\$ 36,000.00	\$ 540,000.00	
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	30.00	\$ 20,000.00	\$ 600,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 1,290,000.00	
<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: 3-06  
ROAD: Bellaire-Segment 3  
LIMITS: FROM: Drainage Ditch (Sierra Bend)  
            TO: Parkway Lakes Ln  
LENGTH: FEET = 3000  
            MILES = 0.57  
  
DESCRIPTION: Construct remaining half of Bellaire Blvd from  
                  Drainage Ditch to Parkway Lakes Ln

**COST SUMMARY**

ENGINEERING	\$	233,442.00
RIGHT OF WAY	\$	3,682,000.00
CONST. PHASE SERVICES	\$	140,065.20
CONSTRUCTION	\$	2,334,420.00
<b>TOTAL</b>	<b>\$</b>	<b>6,389,927.20</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	0.57	\$ 200,000.00	\$ 114,000.00	
SIGNING & PAVEMENT MARKINGS	STA	30.00	\$ 600.00	\$ 18,000.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	30.00	\$ 2,000.00	\$ 60,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 192,000.00	
<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	30.00	\$ 10,000.00	\$ 300,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 300,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 17,820.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 89,100.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 445,500.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 2,334,420.00	

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

PROJECT NO: 3-06  
ROAD: Bellaire-Segment 3  
LIMITS: FROM: Drainage Ditch (Sierra Bend)  
TO: Parkway Lakes Ln  
LENGTH: FEET = 3000  
MILES = 0.57  
DESCRIPTION: Construct remaining half of Bellaire Blvd from  
Drainage Ditch to Parkway Lakes Ln

**COST SUMMARY**

ENGINEERING	\$	233,442.00
RIGHT OF WAY	\$	3,682,000.00
CONST. PHASE SERVICES	\$	140,065.20
CONSTRUCTION	\$	2,334,420.00
<b>TOTAL</b>	<b>\$</b>	<b>6,389,927.20</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%	\$ 93,376.80	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 140,065.20	
<b>SUBTOTAL ENGINEERING</b>				<b>\$ 233,442.00</b>	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 46,688.40	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 93,376.80	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				<b>\$ 140,065.20</b>	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	360000	\$ 5.70	\$ 2,052,000.00	3000' x 120'
HARD CORNERS	SF		\$ 5.70	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	3	\$ 10,000.00	\$ 30,000.00	
PIPELINE RELOCATION (under 8")	EA		\$ 300,000.00	\$ -	
PIPELINE RELOCATION (8'-16")	EA		\$ 600,000.00	\$ -	
PIPELINE RELOCATION (above 16")	EA	2	\$ 800,000.00	\$ 1,600,000.00	30" Gas + 18" Gas
<b>SUBTOTAL RIGHT OF WAY</b>				<b>\$ 3,682,000.00</b>	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 233,442.00	
RIGHT OF WAY				\$ 3,682,000.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 140,065.20	materials testing & constr. eng
CONSTRUCTION				\$ 2,334,420.00	
<b>TOTAL PROJECT COST</b>				<b>\$ 6,389,927.20</b>	

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

PROJECT NO: 3-07  
ROAD: I-10 East Frontage Rd  
LIMITS: FROM: 2400' East of FM 1463  
            TO: 2500' West of I-10 Pin Oak Rd Entrance Ramp  
LENGTH: FEET = 4,700  
            MILES = 0.89  
  
DESCRIPTION: Widen Asph EBFR on the inside and Add Conc  
                  Entrance Ramp 2500' prior to existing Pin Oak Rd  
                  Entrance Ramp.

COST SUMMARY	
ENGINEERING	\$ 207,821.31
RIGHT OF WAY	\$ 2,200,000.00
CONST. PHASE SERVICES	\$ 124,692.79
CONSTRUCTION	\$ 2,078,213.11
TOTAL	\$ 4,610,727.21

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	47.00	\$ 5,000.00	\$ 235,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork Entrance Ramp
CONCRETE PAVEMENT					
2-LANE C&G (32' F-F)	STA		\$ 16,000.00	\$ -	
3-LANE C&G (38' F-F)	STA	5.33	\$ 25,000.00	\$ 133,333.33	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	Add 1-Lane to EBFR + Add Entrance Ramp
ASPHALT PAVEMENT					
CONCRETE C&G	LF		\$ 15.00	\$ -	
NEW CONSTRUCTION	SY	4822	\$ 85.00	\$ 409,888.89	
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	2	\$ 25,000.00	\$ 50,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 828,222.22	
<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: 3-07  
ROAD: I-10 East Frontage Rd  
LIMITS: FROM: 2400' East of FM 1463  
            TO: 2500' West of I-10 Pin Oak Rd Entrance Ramp  
LENGTH: FEET = 4,700  
            MILES = 0.89  
  
DESCRIPTION: Widen Asph EBFR on the inside and Add Conc  
                  Entrance Ramp 2500' prior to existing Pin Oak Rd  
                  Entrance Ramp.

**COST SUMMARY**

ENGINEERING	\$	207,821.31
RIGHT OF WAY	\$	2,200,000.00
CONST. PHASE SERVICES	\$	124,692.79
CONSTRUCTION	\$	2,078,213.11
<b>TOTAL</b>	<b>\$</b>	<b>4,610,727.21</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	\$ -	Safety Illumination
ROADWAY ILLUMINATION	MI	0.83	\$ 200,000.00	\$ 166,000.00	
SIGNING & PAVEMENT MARKINGS	STA	47.00	\$ 600.00	\$ 28,200.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	47.00	\$ 2,000.00	\$ 94,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 288,200.00	
<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	47.00	\$ 10,000.00	\$ 470,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 470,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 15,864.22	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 79,321.11	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 396,605.56	
<b>CONSTRUCTION COST TOTAL</b>				\$ 2,078,213.11	

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

PROJECT NO: 3-07  
ROAD: I-10 East Frontage Rd  
LIMITS: FROM: 2400' East of FM 1463  
            TO: 2500' West of I-10 Pin Oak Rd Entrance Ramp  
LENGTH: FEET = 4,700  
            MILES = 0.89  
  
DESCRIPTION: Widen Asph EBFR on the inside and Add Conc  
                  Entrance Ramp 2500' prior to existing Pin Oak Rd  
                  Entrance Ramp.

**COST SUMMARY**

ENGINEERING	\$	207,821.31
RIGHT OF WAY	\$	2,200,000.00
CONST. PHASE SERVICES	\$	124,692.79
CONSTRUCTION	\$	2,078,213.11
<b>TOTAL</b>	<b>\$</b>	<b>4,610,727.21</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%	\$ 83,128.52	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 124,692.79	
<b>SUBTOTAL ENGINEERING</b>				<b>\$ 207,821.31</b>	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 41,564.26	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 83,128.52	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				<b>\$ 124,692.79</b>	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF		\$ 9.00	\$ -	
HARD CORNERS	SF		\$ 9.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION (under 8")	EA		\$ 300,000.00	\$ -	
PIPELINE RELOCATION (8'-16")	EA	1	\$ 600,000.00	\$ 600,000.00	13" Gas
PIPELINE RELOCATION (above 16")	EA	2	\$ 800,000.00	\$ 1,600,000.00	20" Gas + 30" Gas
<b>SUBTOTAL RIGHT OF WAY</b>				<b>\$ 2,200,000.00</b>	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 207,821.31	
RIGHT OF WAY				\$ 2,200,000.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 124,692.79	materials testing & constr. eng
CONSTRUCTION				\$ 2,078,213.11	
<b>TOTAL PROJECT COST</b>				<b>\$ 4,610,727.21</b>	

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

PROJECT NO: 3-08  
ROAD: I-10 West Frontage Rd  
LIMITS: FROM: 800' West of Pin Oak Rd  
            TO: 1650' East of FM 1463  
LENGTH: FEET = 1,325  
            MILES = 0.25

DESCRIPTION: Reconfigure a section of WBFR to decrease  
conflict with Pin Oak Rd access and the existing  
collector-distributor.

**COST SUMMARY**

ENGINEERING	\$	79,699.67
RIGHT OF WAY	\$	2,200,000.00
CONST. PHASE SERVICES	\$	47,819.80
CONSTRUCTION	\$	796,996.72
<b>TOTAL</b>	<b>\$</b>	<b>3,124,516.20</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	13.25	\$ 5,000.00	\$ 66,250.00	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	\$ -	Item cut and restore may be needed.
ASPHALT PAVEMENT					
CONCRETE C&G	LF		\$ 15.00	\$ -	1325' long x 14' wide
NEW CONSTRUCTION	SY	2061	\$ 85.00	\$ 175,194.44	
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	1	\$ 25,000.00	\$ 25,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 266,444.44	
<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: 3-08  
ROAD: I-10 West Frontage Rd  
LIMITS: FROM: 800' West of Pin Oak Rd  
TO: 1650' East of FM 1463  
LENGTH: FEET = 1,325  
MILES = 0.25

DESCRIPTION: Reconfigure a section of WBFR to decrease conflict with Pin Oak Rd access and the existing collector-distributor.

**COST SUMMARY**

ENGINEERING	\$	79,699.67
RIGHT OF WAY	\$	2,200,000.00
CONST. PHASE SERVICES	\$	47,819.80
CONSTRUCTION	\$	796,996.72
<b>TOTAL</b>	<b>\$</b>	<b>3,124,516.20</b>

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA	1	\$ 125,000.00	\$ 125,000.00	FM 1463 Safety Illumination
ROADWAY ILLUMINATION	MI	0.25	\$ 200,000.00	\$ 50,000.00	
SIGNING & PAVEMENT MARKINGS	STA	13.25	\$ 600.00	\$ 7,950.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	13.25	\$ 2,000.00	\$ 26,500.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 209,450.00	
<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	13.25	\$ 10,000.00	\$ 132,500.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 132,500.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 6,083.94	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 30,419.72	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 152,098.61	
<b>CONSTRUCTION COST TOTAL</b>				\$ 796,996.72	

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

PROJECT NO: 3-08  
ROAD: I-10 West Frontage Rd  
LIMITS: FROM: 800' West of Pin Oak Rd  
            TO: 1650' East of FM 1463  
LENGTH: FEET = 1,325  
            MILES = 0.25

DESCRIPTION: Reconfigure a section of WBFR to decrease  
conflict with Pin Oak Rd access and the existing  
collector-distributor.

**COST SUMMARY**

ENGINEERING	\$	79,699.67
RIGHT OF WAY	\$	2,200,000.00
CONST. PHASE SERVICES	\$	47,819.80
CONSTRUCTION	\$	796,996.72
<b>TOTAL</b>	<b>\$</b>	<b>3,124,516.20</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%	\$ 31,879.87	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 47,819.80	
<b>SUBTOTAL ENGINEERING</b>				\$ 79,699.67	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 15,939.93	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 31,879.87	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 47,819.80	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF		\$ 9.00	\$ -	
HARD CORNERS	SF		\$ 9.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION (under 8")	EA		\$ 300,000.00	\$ -	
PIPELINE RELOCATION (8'-16")	EA	1	\$ 600,000.00	\$ 600,000.00	13" Gas
PIPELINE RELOCATION (above 16")	EA	2	\$ 800,000.00	\$ 1,600,000.00	20" Gas + 30" Gas
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 2,200,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 79,699.67	
RIGHT OF WAY				\$ 2,200,000.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 47,819.80	materials testing & constr. eng
CONSTRUCTION				\$ 796,996.72	
<b>TOTAL PROJECT COST</b>				\$ 3,124,516.20	

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

PROJECT NO: 3-09  
ROAD: McKinnon/Bellaire  
LIMITS: FROM: FM 359  
TO: Bois D'Arc Ln  
LENGTH: FEET = 13825  
MILES = 2.62  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	1,484,256.20
RIGHT OF WAY	\$	7,629,300.00
CONST. PHASE SERVICES	\$	890,553.72
CONSTRUCTION	\$	14,842,562.00
<b>TOTAL</b>	<b>\$</b>	<b>24,846,671.92</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	138.25	\$ 5,000.00	\$ 691,250.00	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	136.75	\$ 36,000.00	\$ 4,923,000.00	Roadway less 150' 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	9000	\$ 65.00	\$ 585,000.00	2-150' X 30' Bridges over existing channel
STORM SEWER SYSTEM	STA	138.25	\$ 20,000.00	\$ 2,765,000.00	
CROSS CULVERT	EA	4	\$ 25,000.00	\$ 100,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				<b>\$ 9,064,250.00</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: 3-09  
ROAD: McKinnon/Bellaire  
LIMITS: FROM: FM 359  
TO: Bois D'Arc Ln  
LENGTH: FEET = 13825  
MILES = 2.62  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	1,484,256.20
RIGHT OF WAY	\$	7,629,300.00
CONST. PHASE SERVICES	\$	890,553.72
CONSTRUCTION	\$	14,842,562.00
<b>TOTAL</b>	<b>\$</b>	<b>24,846,671.92</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	2.62	\$ 200,000.00	\$ 524,000.00	
SIGNING & PAVEMENT MARKINGS	STA	138.25	\$ 600.00	\$ 82,950.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	138.25	\$ 2,000.00	\$ 276,500.00	
<b>SUBTOTAL MISCELLANEOUS</b>				<b>\$ 883,450.00</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	138.25	\$ 10,000.00	\$ 1,382,500.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				<b>\$ 1,382,500.00</b>	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 113,302.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 566,510.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 2,832,550.00	
<b>CONSTRUCTION COST TOTAL</b>				<b>\$ 14,842,562.00</b>	

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

PROJECT NO: 3-09  
ROAD: McKinnon/Bellaire  
LIMITS: FROM: FM 359  
              TO: Bois D'Arc Ln  
LENGTH: FEET = 13825  
              MILES = 2.62  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	1,484,256.20
RIGHT OF WAY	\$	7,629,300.00
CONST. PHASE SERVICES	\$	890,553.72
CONSTRUCTION	\$	14,842,562.00
<b>TOTAL</b>	<b>\$</b>	<b>24,846,671.92</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%	\$ 593,702.48	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 890,553.72	
<b>SUBTOTAL ENGINEERING</b>				\$ 1,484,256.20	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 296,851.24	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 593,702.48	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 890,553.72	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	1659000	\$ 2.70	\$ 4,479,300.00	13825' x 120'
HARD CORNERS	SF		\$ 2.70	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	15	\$ 10,000.00	\$ 150,000.00	
PIPELINE RELOCATION (under 8")	EA		\$ 300,000.00	\$ -	
PIPELINE RELOCATION (8'-16")	EA	1	\$ 600,000.00	\$ 600,000.00	9" Ethane
PIPELINE RELOCATION (above 16")	EA	3	\$ 800,000.00	\$ 2,400,000.00	2-30" Crude + 1-30" Gas
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 7,629,300.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 1,484,256.20	
RIGHT OF WAY				\$ 7,629,300.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 890,553.72	materials testing & constr. eng
CONSTRUCTION				\$ 14,842,562.00	
<b>TOTAL PROJECT COST</b>				\$ 24,846,671.92	

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

PROJECT NO: 3-10  
ROAD: Katy Fulshear  
LIMITS: FROM: FM 1093  
              TO: Huggins Dr  
LENGTH: FEET = 2400  
              MILES = 0.45  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	258,227.20
RIGHT OF WAY	\$	889,200.00
CONST. PHASE SERVICES	\$	154,936.32
CONSTRUCTION	\$	2,582,272.00
<b>TOTAL</b>	<b>\$</b>	<b>3,884,635.52</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	3.60	\$ 1,500.00	\$ 5,400.00	15% of the length of the project
RELOCATE WATER TRANSMISSION	STA	3.60	\$ 3,500.00	\$ 12,600.00	15% of the length of the project
RELOCATE SANITARY SEWER	STA	3.60	\$ 6,500.00	\$ 23,400.00	15% of the length of the project
RELOCATE FORCE MAIN	STA	3.60	\$ 6,500.00	\$ 23,400.00	15% of the length of the project
<b>SUBTOTAL UTILITIES</b>				\$ 64,800.00	

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

PROJECT NO: 3-10  
ROAD: Katy Fulshear  
LIMITS: FROM: FM 1093  
              TO: Huggins Dr  
LENGTH: FEET = 2400  
              MILES = 0.45  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	258,227.20
RIGHT OF WAY	\$	889,200.00
CONST. PHASE SERVICES	\$	154,936.32
CONSTRUCTION	\$	2,582,272.00
<b>TOTAL</b>	<b>\$</b>	<b>3,884,635.52</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		\$ 50,000.00	\$ -	
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>				\$ 240,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 19,712.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 98,560.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 492,800.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 2,582,272.00	

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

PROJECT NO: 3-10  
ROAD: Katy Fulshear  
LIMITS: FROM: FM 1093  
              TO: Huggins Dr  
LENGTH: FEET = 2400  
              MILES = 0.45  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	258,227.20
RIGHT OF WAY	\$	889,200.00
CONST. PHASE SERVICES	\$	154,936.32
CONSTRUCTION	\$	2,582,272.00
<b>TOTAL</b>	<b>\$</b>	<b>3,884,635.52</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%	\$ 103,290.88	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 154,936.32	
<b>SUBTOTAL ENGINEERING</b>				<b>\$ 258,227.20</b>	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 51,645.44	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 103,290.88	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				<b>\$ 154,936.32</b>	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	96000	\$ 2.70	\$ 259,200.00	2400' X 40'
HARD CORNERS	SF		\$ 2.70	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	3	\$ 10,000.00	\$ 30,000.00	6" Gas + 7" Ethane/Propane
PIPELINE RELOCATION (under 8")	EA	2	\$ 300,000.00	\$ 600,000.00	
PIPELINE RELOCATION (8'-16")	EA		\$ 600,000.00	\$ -	
PIPELINE RELOCATION (above 16")	EA		\$ 800,000.00	\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				<b>\$ 889,200.00</b>	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 258,227.20	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 889,200.00	
CONSTRUCTION PHASE SERVICES				\$ 154,936.32	
CONSTRUCTION				\$ 2,582,272.00	
<b>TOTAL PROJECT COST</b>				<b>\$ 3,884,635.52</b>	



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

PROJECT NO: 3-11  
ROAD: Huggins Dr  
LIMITS: FROM: FM 359 (Main St)  
            TO: Future Bois D'Arc  
LENGTH: FEET = 6200  
            MILES = 1.17  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	663,462.60
RIGHT OF WAY	\$	2,153,500.00
CONST. PHASE SERVICES	\$	398,077.56
CONSTRUCTION	\$	6,634,626.00
TOTAL	\$	9,849,666.16

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	62.00	\$ 5,000.00	\$ 310,000.00	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	62.00	\$ 36,000.00	\$ 2,232,000.00	
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	62.00	\$ 20,000.00	\$ 1,240,000.00	
CROSS CULVERT	EA	4	\$ 25,000.00	\$ 100,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 3,882,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA	9.30	\$ 1,500.00	\$ 13,950.00	15% of the length of the project
RELOCATE WATER TRANSMISSION	STA	9.30	\$ 3,500.00	\$ 32,550.00	15% of the length of the project
RELOCATE SANITARY SEWER	STA	9.30	\$ 6,500.00	\$ 60,450.00	15% of the length of the project
RELOCATE FORCE MAIN	STA	9.30	\$ 6,500.00	\$ 60,450.00	15% of the length of the project
<b>SUBTOTAL UTILITIES</b>				\$ 167,400.00	

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

PROJECT NO: 3-11  
ROAD: Huggins Dr  
LIMITS: FROM: FM 359 (Main St)  
            TO: Future Bois D'Arc  
LENGTH: FEET = 6200  
            MILES = 1.17  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	663,462.60
RIGHT OF WAY	\$	2,153,500.00
CONST. PHASE SERVICES	\$	398,077.56
CONSTRUCTION	\$	6,634,626.00
<b>TOTAL</b>	<b>\$</b>	<b>9,849,666.16</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	1.17	\$ 200,000.00	\$ 234,000.00	
SIGNING & PAVEMENT MARKINGS	STA	62.00	\$ 600.00	\$ 37,200.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	62.00	\$ 2,000.00	\$ 124,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				<b>\$ 395,200.00</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	62.00	\$ 10,000.00	\$ 620,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				<b>\$ 620,000.00</b>	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 50,646.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 253,230.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,266,150.00	
<b>CONSTRUCTION COST TOTAL</b>				<b>\$ 6,634,626.00</b>	

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

PROJECT NO: 3-11  
ROAD: Huggins Dr  
LIMITS: FROM: FM 359 (Main St)  
            TO: Future Bois D'Arc  
LENGTH: FEET = 6200  
            MILES = 1.17  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	663,462.60
RIGHT OF WAY	\$	2,153,500.00
CONST. PHASE SERVICES	\$	398,077.56
CONSTRUCTION	\$	6,634,626.00
<b>TOTAL</b>	<b>\$</b>	<b>9,849,666.16</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%	\$ 265,385.04	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 398,077.56	
<b>SUBTOTAL ENGINEERING</b>				\$ 663,462.60	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 132,692.52	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 265,385.04	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 398,077.56	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	480000	\$ 1.10	\$ 528,000.00	4400' x 60' + 1800' X 120'
HARD CORNERS	SF	5000	\$ 1.10	\$ 5,500.00	1 Intersection
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	12	\$ 10,000.00	\$ 120,000.00	
PIPELINE RELOCATION (under 8")	EA	3	\$ 300,000.00	\$ 900,000.00	4" Nitrogen + 6" Gas + 7" Ethane/Propane
PIPELINE RELOCATION (8'-16")	EA	1	\$ 600,000.00	\$ 600,000.00	11" Gas
PIPELINE RELOCATION (above 16")	EA		\$ 800,000.00	\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 2,153,500.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 663,462.60	
RIGHT OF WAY				\$ 2,153,500.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 398,077.56	materials testing & constr. eng
CONSTRUCTION				\$ 6,634,626.00	
<b>TOTAL PROJECT COST</b>				\$ 9,849,666.16	

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

PROJECT NO: 3-12  
ROAD: Bois D'Arc  
LIMITS: FROM: 4000' south of FM 1093  
            TO: Huggins Dr  
LENGTH: FEET = 6000  
            MILES = 1.14  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	636,136.00
RIGHT OF WAY	\$	748,500.00
CONST. PHASE SERVICES	\$	381,681.60
CONSTRUCTION	\$	6,361,360.00
<b>TOTAL</b>	<b>\$</b>	<b>8,127,677.60</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	60.00	\$ 5,000.00	\$ 300,000.00	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	60.00	\$ 36,000.00	\$ 2,160,000.00	
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	60.00	\$ 20,000.00	\$ 1,200,000.00	
CROSS CULVERT	EA	2	\$ 25,000.00	\$ 50,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 3,710,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA	9.00	\$ 1,500.00	\$ 13,500.00	15% of the length of the project
RELOCATE WATER TRANSMISSION	STA	9.00	\$ 3,500.00	\$ 31,500.00	15% of the length of the project
RELOCATE SANITARY SEWER	STA	9.00	\$ 6,500.00	\$ 58,500.00	15% of the length of the project
RELOCATE FORCE MAIN	STA	9.00	\$ 6,500.00	\$ 58,500.00	15% of the length of the project
<b>SUBTOTAL UTILITIES</b>				\$ 162,000.00	

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

PROJECT NO: 3-12  
ROAD: Bois D'Arc  
LIMITS: FROM: 4000' south of FM 1093  
TO: Huggins Dr  
LENGTH: FEET = 6000  
MILES = 1.14  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	636,136.00
RIGHT OF WAY	\$	748,500.00
CONST. PHASE SERVICES	\$	381,681.60
CONSTRUCTION	\$	6,361,360.00
<b>TOTAL</b>	<b>\$</b>	<b>8,127,677.60</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	1.14	\$ 200,000.00	\$ 228,000.00	
SIGNING & PAVEMENT MARKINGS	STA	60.00	\$ 600.00	\$ 36,000.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	60.00	\$ 2,000.00	\$ 120,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				<b>\$ 384,000.00</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	60.00	\$ 10,000.00	\$ 600,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				<b>\$ 600,000.00</b>	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 48,560.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 242,800.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,214,000.00	
<b>CONSTRUCTION COST TOTAL</b>				<b>\$ 6,361,360.00</b>	

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

PROJECT NO: 3-12  
ROAD: Bois D'Arc  
LIMITS: FROM: 4000' south of FM 1093  
            TO: Huggins Dr  
LENGTH: FEET = 6000  
            MILES = 1.14  
DESCRIPTION: Construct 4-Lane Conc Curb & Gutter

**COST SUMMARY**

ENGINEERING	\$	636,136.00
RIGHT OF WAY	\$	748,500.00
CONST. PHASE SERVICES	\$	381,681.60
CONSTRUCTION	\$	6,361,360.00
<b>TOTAL</b>	<b>\$</b>	<b>8,127,677.60</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%	\$ 254,454.40	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 381,681.60	
<b>SUBTOTAL ENGINEERING</b>				<b>\$ 636,136.00</b>	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 127,227.20	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 254,454.40	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				<b>\$ 381,681.60</b>	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	620000	\$ 1.10	\$ 682,000.00	4000' x 120' + 2000' X 70' 3 Intersections
HARD CORNERS	SF	15000	\$ 1.10	\$ 16,500.00	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	5	\$ 10,000.00	\$ 50,000.00	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				<b>\$ 748,500.00</b>	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 636,136.00	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 748,500.00	
CONSTRUCTION PHASE SERVICES				\$ 381,681.60	
CONSTRUCTION				\$ 6,361,360.00	
<b>TOTAL PROJECT COST</b>				<b>\$ 8,127,677.60</b>	

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

PROJECT NO: 3-13  
ROAD: Main Street Sidewalks (FM 359)  
LIMITS: FROM: FM 1093  
              TO: 5th Street in Fulshear  
LENGTH: FEET = 1800  
              MILES = 0.34  
  
DESCRIPTION: Place sidewalks along FM 359 from FM 1093 to  
                  5th St

**COST SUMMARY**

ENGINEERING	\$	169,415.75
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	101,649.45
CONSTRUCTION	\$	1,694,157.50
TOTAL	\$	1,965,222.70

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	18.00	\$ 5,000.00	\$ 90,000.00	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	\$ -	1800' X 44'
REHABILITATION/OVERLAY	SY	8800	\$ 15.00	\$ 132,000.00	
RECONSTRUCTION/WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF	1800	\$ 15.00	\$ 27,000.00	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	18.00	\$ 20,000.00	\$ 360,000.00	Cross and Parallel Culverts
CROSS CULVERT	EA	9	\$ 25,000.00	\$ 225,000.00	
OUTFALL	EA			\$ -	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 834,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA	9.00	\$ 1,500.00	\$ 13,500.00	50% of the length of the project
RELOCATE WATER TRANSMISSION	STA	4.50	\$ 3,500.00	\$ 15,750.00	25% of the length of the project
RELOCATE SANITARY SEWER	STA	9.00	\$ 6,500.00	\$ 58,500.00	50% of the length of the project
RELOCATE FORCE MAIN	STA	1.80	\$ 6,500.00	\$ 11,700.00	10% of the length of the project
<b>SUBTOTAL UTILITIES</b>				\$ 99,450.00	

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

PROJECT NO: 3-13  
ROAD: Main Street Sidewalks (FM 359)  
LIMITS: FROM: FM 1093  
              TO: 5th Street in Fulshear  
LENGTH: FEET = 1800  
              MILES = 0.34  
DESCRIPTION: Place sidewalks along FM 359 from FM 1093 to  
                  5th St

**COST SUMMARY**

ENGINEERING	\$	169,415.75
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	101,649.45
CONSTRUCTION	\$	1,694,157.50
<b>TOTAL</b>	<b>\$</b>	<b>1,965,222.70</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		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	18.00	\$ 600.00	\$ 10,800.00	
BLOCK SOD	SY	5000	\$ 5.00	\$ 25,000.00	
SWPPP	STA	18.00	\$ 2,000.00	\$ 36,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 71,800.00	
<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	18.00	\$ 10,000.00	\$ 180,000.00	
SIDEWALK	STA	18.00	\$ 6,000.00	\$ 108,000.00	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 288,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 12,932.50	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 64,662.50	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 323,312.50	
<b>CONSTRUCTION COST TOTAL</b>				\$ 1,694,157.50	



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

PROJECT NO: 3-13  
ROAD: Main Street Sidewalks (FM 359)  
LIMITS: FROM: FM 1093  
              TO: 5th Street in Fulshear  
LENGTH: FEET = 1800  
              MILES = 0.34  
  
DESCRIPTION: Place sidewalks along FM 359 from FM 1093 to  
                  5th St

**COST SUMMARY**

ENGINEERING	\$	169,415.75
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	101,649.45
CONSTRUCTION	\$	1,694,157.50
<b>TOTAL</b>	<b>\$</b>	<b>1,965,222.70</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%	\$ 67,766.30	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 101,649.45	
<b>SUBTOTAL ENGINEERING</b>				\$ 169,415.75	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 33,883.15	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 67,766.30	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 101,649.45	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF		\$ 7.20	\$ -	
HARD CORNERS	SF		\$ 7.20	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ -	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 169,415.75	
RIGHT OF WAY				\$ -	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 101,649.45	materials testing & constr. eng
CONSTRUCTION				\$ 1,694,157.50	
<b>TOTAL PROJECT COST</b>				\$ 1,965,222.70	

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

PROJECT NO: 3-14  
ROAD: Kingsland Boulevard  
LIMITS: FROM: FM 1463  
TO: Cane Island Boulevard  
LENGTH: FEET = 4600  
MILES = 0.87

DESCRIPTION: 4 lane concrete curb and gutter with raised median, including bridge over creek, and significant channel improvements to reduce floodway for bridge crossing. 100' ROW. Within City of Katy

**COST SUMMARY**

ENGINEERING	\$	1,131,872.29
RIGHT OF WAY	\$	4,419,030.00
CONST. PHASE SERVICES	\$	679,123.37
CONSTRUCTION	\$	11,318,722.87
<b>TOTAL</b>	<b>\$</b>	<b>17,548,748.53</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	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					floodway is 2,000 feet. Use 1000' for bridge length with deck width of 65'
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF	65000	\$ 65.00	\$ 4,225,000.00	
STORM SEWER SYSTEM	STA	46	\$ 20,000.00	\$ 920,000.00	Outfall into channel on east and west side
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	2	\$ 50,000.00	\$ 100,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				<b>\$ 7,131,000.00</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: 3-14  
ROAD: Kingsland Boulevard  
LIMITS: FROM: FM 1463  
TO: Cane Island Boulevard  
LENGTH: FEET = 4600  
MILES = 0.87

DESCRIPTION: 4 lane concrete curb and gutter with raised median, including bridge over creek, and significant channel improvements to reduce floodway for bridge crossing. 100' ROW. Within City of Katy

**COST SUMMARY**

ENGINEERING	\$	1,131,872.29
RIGHT OF WAY	\$	4,419,030.00
CONST. PHASE SERVICES	\$	679,123.37
CONSTRUCTION	\$	11,318,722.87
<b>TOTAL</b>	<b>\$</b>	<b>17,548,748.53</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 FM 1463
ROADWAY ILLUMINATION	MI	0.87	\$ 200,000.00	\$ 174,242.42	
SIGNING & PAVEMENT MARKINGS	STA	46	\$ 600.00	\$ 27,600.00	
SWPPP	STA	46	\$ 2,000.00	\$ 92,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 418,842.42	
<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	5.8	\$ 50,000.00	\$ 290,404.04	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
CHANNEL IMPROVEMENTS	STA	40	\$ 20,000.00	\$ 800,000.00	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 1,090,404.04	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 86,402.46	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 432,012.32	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 2,160,061.62	
<b>CONSTRUCTION COST TOTAL</b>				\$ 11,318,722.87	

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

PROJECT NO: 3-14  
ROAD: Kingsland Boulevard  
LIMITS: FROM: FM 1463  
TO: Cane Island Boulevard  
LENGTH: FEET = 4600  
MILES = 0.87

DESCRIPTION: 4 lane concrete curb and gutter with raised median, including bridge over creek, and significant channel improvements to reduce floodway for bridge crossing. 100' ROW. Within City of Katy

**COST SUMMARY**

ENGINEERING	\$	1,131,872.29
RIGHT OF WAY	\$	4,419,030.00
CONST. PHASE SERVICES	\$	679,123.37
CONSTRUCTION	\$	11,318,722.87
<b>TOTAL</b>	<b>\$</b>	<b>17,548,748.53</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%	\$ 452,748.91	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 679,123.37	
<b>SUBTOTAL ENGINEERING</b>				\$ 1,131,872.29	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 226,374.46	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 452,748.91	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 679,123.37	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	460000	\$ 5.70	\$ 2,622,000.00	Full ROW necessary
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA	1	\$ 777,030.00	\$ 777,030.00	CAD value of structure
MAPPING & ACQUISITION	PARCEL	12	\$ 10,000.00	\$ 120,000.00	
PIPELINE RELOCATION	LS	1	\$ 900,000.00	\$ 900,000.00	6" & 11"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 4,419,030.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 1,131,872.29	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 4,419,030.00	
CONSTRUCTION PHASE SERVICES				\$ 679,123.37	
CONSTRUCTION				\$ 11,318,722.87	
<b>TOTAL PROJECT COST</b>				\$ 17,548,748.53	

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

PROJECT NO: 3-15  
ROAD: Cane Island Boulevard  
LIMITS: FROM: North side of Willow Fork  
TO: FM 1463  
LENGTH: FEET = 3100  
MILES = 0.59

DESCRIPTION: 4 lane concrete curb and gutter with raised median, including bridge over creek, and channel improvements to reduce floodway for bridge crossing. 120' ROW

**COST SUMMARY**

ENGINEERING	\$	774,029.58
RIGHT OF WAY	\$	6,404,400.00
CONST. PHASE SERVICES	\$	464,417.75
CONSTRUCTION	\$	7,740,295.77
<b>TOTAL</b>	<b>\$</b>	<b>15,383,143.10</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	31	\$ 5,000.00	\$ 155,000.00	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	23	\$ 36,000.00	\$ 828,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	1000' improvements to 1463 each direction
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY	7600	\$ 15.00	\$ 114,000.00	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	floodway is 775 feet. Use 750' for bridge length with deck width of 65'
BRIDGE	SF	48750	\$ 65.00	\$ 3,168,750.00	
STORM SEWER SYSTEM	STA	23	\$ 20,000.00	\$ 460,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	1	\$ 100,000.00	\$ 100,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				<b>\$ 4,825,750.00</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: 3-15  
ROAD: Cane Island Boulevard  
LIMITS: FROM: North side of Willow Fork  
TO: FM 1463  
LENGTH: FEET = 3100  
MILES = 0.59

DESCRIPTION: 4 lane concrete curb and gutter with raised median, including bridge over creek, and channel improvements to reduce floodway for bridge crossing. 120' ROW

**COST SUMMARY**

ENGINEERING	\$	774,029.58
RIGHT OF WAY	\$	6,404,400.00
CONST. PHASE SERVICES	\$	464,417.75
CONSTRUCTION	\$	7,740,295.77
<b>TOTAL</b>	<b>\$</b>	<b>15,383,143.10</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 Kingsland and FM 1463
ROADWAY ILLUMINATION	MI	0.59	\$ 200,000.00	\$ 117,424.24	
SIGNING & PAVEMENT MARKINGS	STA	31	\$ 600.00	\$ 18,600.00	
SWPPP	STA	31	\$ 2,000.00	\$ 62,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 448,024.24	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	120' ROW by length at 0.55 ac-ft/ac
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	4.7	\$ 50,000.00	\$ 234,848.48	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
CHANNEL IMPROVEMENTS	STA	20	\$ 20,000.00	\$ 400,000.00	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 634,848.48	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 59,086.23	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 295,431.14	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,477,155.68	
<b>CONSTRUCTION COST TOTAL</b>				\$ 7,740,295.77	

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

PROJECT NO: 3-15  
ROAD: Cane Island Boulevard  
LIMITS: FROM: North side of Willow Fork  
TO: FM 1463  
LENGTH: FEET = 3100  
MILES = 0.59

DESCRIPTION: 4 lane concrete curb and gutter with raised median, including bridge over creek, and channel improvements to reduce floodway for bridge crossing. 120' ROW

**COST SUMMARY**

ENGINEERING	\$	774,029.58
RIGHT OF WAY	\$	6,404,400.00
CONST. PHASE SERVICES	\$	464,417.75
CONSTRUCTION	\$	7,740,295.77
<b>TOTAL</b>	<b>\$</b>	<b>15,383,143.10</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%	\$ 309,611.83	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 464,417.75	
<b>SUBTOTAL ENGINEERING</b>				\$ 774,029.58	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 154,805.92	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 309,611.83	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 464,417.75	
<b>RIGHT OF WAY</b>					
UNDEVELOPED	SF	372000	\$ 2.70	\$ 1,004,400.00	120' ROW
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	10	\$ 10,000.00	\$ 100,000.00	
PIPELINE RELOCATION	LS	1	\$ 5,300,000.00	\$ 5,300,000.00	4", 4", 4", 10", 14", 18", 20", 20", 30"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 6,404,400.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 774,029.58	
RIGHT OF WAY				\$ 6,404,400.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 464,417.75	materials testing & constr. eng
CONSTRUCTION				\$ 7,740,295.77	
<b>TOTAL PROJECT COST</b>				\$ 15,383,143.10	

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

PROJECT NO: 3-16  
ROAD: Brandt Lane  
LIMITS: FROM: Holmes Road  
TO: Mason Road  
LENGTH: FEET = 12,600  
MILES = 2.39

DESCRIPTION: Construct 2 lane asphalt road with shoulders and open ditch. Cross culvert near McCrary Road. Outfall into Oyster Creek. 60' ROW

**COST SUMMARY**

ENGINEERING	\$	909,004.24
RIGHT OF WAY	\$	1,430,000.00
CONST. PHASE SERVICES	\$	545,402.54
CONSTRUCTION	\$	9,090,042.36
<b>TOTAL</b>	<b>\$</b>	<b>11,974,449.14</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	126	\$ 5,000.00	\$ 630,000.00	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	9.55	\$ 300,000.00	\$ 2,863,636.36	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	126	\$ 20,000.00	\$ 2,520,000.00	
CROSS CULVERT	EA	1	\$ 25,000.00	\$ 25,000.00	Near McCrary, dual 36" CGMP Into Oyster Creek
OUTFALL	EA	1	\$ 50,000.00	\$ 50,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				<b>\$ 6,088,636.36</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: 3-16  
ROAD: Brandt Lane  
LIMITS: FROM: Holmes Road  
TO: Mason Road  
LENGTH: FEET = 12,600  
MILES = 2.39

DESCRIPTION: Construct 2 lane asphalt road with shoulders and open ditch. Cross culvert near McCrary Road. Outfall into Oyster Creek. 60' ROW

**COST SUMMARY**

ENGINEERING	\$	909,004.24
RIGHT OF WAY	\$	1,430,000.00
CONST. PHASE SERVICES	\$	545,402.54
CONSTRUCTION	\$	9,090,042.36
<b>TOTAL</b>	<b>\$</b>	<b>11,974,449.14</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	1	\$ 125,000.00	\$ 125,000.00	At Mason Road
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	126	\$ 600.00	\$ 75,600.00	
SWPPP	STA	126	\$ 2,000.00	\$ 252,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 452,600.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF	8.0	\$ 50.00	\$ -	Half of Row
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ 397,727.27	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
CHANNEL IMPROVEMENTS	STA		\$ 20,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 397,727.27	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 69,389.64	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 346,948.18	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,734,740.91	
<b>CONSTRUCTION COST TOTAL</b>				\$ 9,090,042.36	

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

PROJECT NO: 3-16  
ROAD: Brandt Lane  
LIMITS: FROM: Holmes Road  
TO: Mason Road  
LENGTH: FEET = 12,600  
MILES = 2.39

DESCRIPTION: Construct 2 lane asphalt road with shoulders and open ditch. Cross culvert near McCrary Road. Outfall into Oyster Creek. 60' ROW

**COST SUMMARY**

ENGINEERING	\$	909,004.24
RIGHT OF WAY	\$	1,430,000.00
CONST. PHASE SERVICES	\$	545,402.54
CONSTRUCTION	\$	9,090,042.36
<b>TOTAL</b>	<b>\$</b>	<b>11,974,449.14</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%	\$ 363,601.69	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 545,402.54	
<b>SUBTOTAL ENGINEERING</b>				\$ 909,004.24	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 181,800.85	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 363,601.69	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 545,402.54	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	300000	\$ 2.70	\$ 810,000.00	full 60' for middle 5000 feet
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	2	\$ 300,000.00	\$ 600,000.00	5" and 7"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 1,430,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 909,004.24	
RIGHT OF WAY				\$ 1,430,000.00	
CONSTRUCTION PHASE SERVICES				\$ 545,402.54	
CONSTRUCTION				\$ 9,090,042.36	
<b>TOTAL PROJECT COST</b>				\$ 11,974,449.14	Land cost plus acquisition cost materials testing & constr. eng

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

PROJECT NO: 3-17  
ROAD: Skinner Lane  
LIMITS: FROM: West Bellfort  
TO: Brandt Lane  
LENGTH: FEET = 7800  
MILES = 1.48

DESCRIPTION: Repace existing roadway w/ 2 lane asphalt road w/ shoulders. Utilize existing bridge. Estimate two outfalls into adjacent Oyster Creek. Culverts necessary @ Bellfort and south of Bellfort. 70' ROW

**COST SUMMARY**

ENGINEERING	\$	404,362.86
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	242,617.72
CONSTRUCTION	\$	4,043,628.61
<b>TOTAL</b>	<b>\$</b>	<b>4,690,609.18</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	78	\$ 5,000.00	\$ 390,000.00	Paving items are inclusive of subgrade,
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	5.91	\$ 300,000.00	\$ 1,772,727.27	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	10	\$ 20,000.00	\$ 200,000.00	
CROSS CULVERT	EA	2	\$ 25,000.00	\$ 50,000.00	Just south of Bellfort, also at Bellfort Into Oyster Creek
OUTFALL	EA	2	\$ 50,000.00	\$ 100,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				<b>\$ 2,512,727.27</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: 3-17  
ROAD: Skinner Lane  
LIMITS: FROM: West Bellfort  
TO: Brandt Lane  
LENGTH: FEET = 7800  
MILES = 1.48

DESCRIPTION: Repace existing roadway w/ 2 lane asphalt road w/ shoulders. Utilize existing bridge. Estimate two outfalls into adjacent Oyster Creek. Culverts necessary @ Bellfort and south of Bellfort. 70' ROW

**COST SUMMARY**

ENGINEERING	\$	404,362.86
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	242,617.72
CONSTRUCTION	\$	4,043,628.61
<b>TOTAL</b>	<b>\$</b>	<b>4,690,609.18</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	1	\$ 125,000.00	\$ 125,000.00	At Mason Road
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	78	\$ 600.00	\$ 46,800.00	
SWPPP	STA	78	\$ 2,000.00	\$ 156,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 327,800.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF	4.9	\$ 50.00	\$ -	Half of Row
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ 246,212.12	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
CHANNEL IMPROVEMENTS	STA		\$ 20,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 246,212.12	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 30,867.39	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 154,336.97	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 771,684.85	
<b>CONSTRUCTION COST TOTAL</b>				\$ 4,043,628.61	

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

PROJECT NO: 3-17  
ROAD: Skinner Lane  
LIMITS: FROM: West Bellfort  
TO: Brandt Lane  
LENGTH: FEET = 7800  
MILES = 1.48

DESCRIPTION: Repace existing roadway w/ 2 lane asphalt road w/ shoulders. Utilize existing bridge. Estimate two outfalls into adjacent Oyster Creek. Culverts necessary @ Bellfort and south of Bellfort. 70' ROW

**COST SUMMARY**

ENGINEERING	\$	404,362.86
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	242,617.72
CONSTRUCTION	\$	4,043,628.61
<b>TOTAL</b>	<b>\$</b>	<b>4,690,609.18</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%	\$ 161,745.14	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 242,617.72	
<b>SUBTOTAL ENGINEERING</b>				\$ 404,362.86	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 80,872.57	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 161,745.14	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 242,617.72	
<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				\$ 404,362.86	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 242,617.72	
CONSTRUCTION				\$ 4,043,628.61	
<b>TOTAL PROJECT COST</b>				\$ 4,690,609.18	Land cost plus acquisition cost materials testing & constr. eng

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

PROJECT NO: 3-18  
ROAD: Gaston - Segment 1  
LIMITS: FROM: Greenbush  
TO: Katy Flewellen  
LENGTH: FEET = 9100  
MILES = 1.72

DESCRIPTION: Construct 4-lane conc c&g blvd section w/ storm sewer, 2 signals, purchase additional ROW to get to ultimate 100' width

**COST SUMMARY**

ENGINEERING	\$	820,728.10
RIGHT OF WAY	\$	6,294,800.00
CONST. PHASE SERVICES	\$	492,436.86
CONSTRUCTION	\$	8,207,281.00
<b>TOTAL</b>	<b>\$</b>	<b>15,815,245.96</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	91	\$ 5,000.00	\$ 455,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork  Gas pipeline just outside west side ROW Power Poles on East side of road inside ROW Fire hydrants on East side Phone line in West ditch Intersection at Greenbush already built Major Cross channel (silver ranch drainage area)
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	91	\$ 36,000.00	\$ 3,276,000.00	
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	91	\$ 20,000.00	\$ 1,820,000.00	
CROSS CULVERT	EA	1	\$ 25,000.00	\$ 25,000.00	
OUTFALL	EA	2	\$ 25,000.00	\$ 50,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 5,626,000.00	
<b>UTILITIES</b>					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA	50	\$ 350.00	\$ 17,500.00	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
<b>SUBTOTAL UTILITIES</b>				\$ 17,500.00	

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

PROJECT NO: 3-18  
ROAD: Gaston - Segment 1  
LIMITS: FROM: Greenbush  
TO: Katy Flewellen  
LENGTH: FEET = 9100  
MILES = 1.72

DESCRIPTION: Construct 4-lane conc c&g blvd section w/ storm sewer, 2 signals, purchase additional ROW to get to ultimate 100' width

**COST SUMMARY**

ENGINEERING	\$	820,728.10
RIGHT OF WAY	\$	6,294,800.00
CONST. PHASE SERVICES	\$	492,436.86
CONSTRUCTION	\$	8,207,281.00
<b>TOTAL</b>	<b>\$</b>	<b>15,815,245.96</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>MISCELLANEOUS</b>					
SIGNALIZED INTERSECTION	EA	2	\$ 125,000.00	\$ 250,000.00	1 at Katy Flewellen and 1 at Greenbush
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	91	\$ 600.00	\$ 54,600.00	
SWPPP	STA	91	\$ 2,000.00	\$ 182,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 486,600.00	
<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	
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%	\$ 62,651.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 313,255.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,566,275.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 8,207,281.00	

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

PROJECT NO: 3-18  
ROAD: Gaston - Segment 1  
LIMITS: FROM: Greenbush  
TO: Katy Flewellen  
LENGTH: FEET = 9100  
MILES = 1.72

DESCRIPTION: Construct 4-lane conc c&g blvd section w/ storm sewer, 2 signals, purchase additional ROW to get to ultimate 100' width

**COST SUMMARY**

ENGINEERING	\$	820,728.10
RIGHT OF WAY	\$	6,294,800.00
CONST. PHASE SERVICES	\$	492,436.86
CONSTRUCTION	\$	8,207,281.00
<b>TOTAL</b>	<b>\$</b>	<b>15,815,245.96</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 328,291.24	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 492,436.86	
<b>SUBTOTAL ENGINEERING</b>				\$ 820,728.10	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 164,145.62	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 328,291.24	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 492,436.86	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	364000	\$ 5.70	\$ 2,074,800.00	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	22	\$ 10,000.00	\$ 220,000.00	
PIPELINE RELOCATION	EA	1	\$ 4,000,000.00	\$ 4,000,000.00	
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 6,294,800.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 820,728.10	
RIGHT OF WAY				\$ 6,294,800.00	
CONSTRUCTION PHASE SERVICES				\$ 492,436.86	
CONSTRUCTION				\$ 8,207,281.00	
<b>TOTAL PROJECT COST</b>				\$ 15,815,245.96	Land cost plus acquisition cost materials testing & constr. eng



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

PROJECT NO: 3-19  
ROAD: Katy Flewellen- Segment 1  
LIMITS: FROM: Gaston  
TO: Roundabout (Crossover Rd)  
LENGTH: FEET = 3480  
MILES = 0.66

DESCRIPTION: Construct 4-lane conc c&g blvd section w/ storm sewer, purchase additional ROW to get to ultimate 120' width

**COST SUMMARY**

ENGINEERING	\$	303,039.68
RIGHT OF WAY	\$	5,848,080.00
CONST. PHASE SERVICES	\$	181,823.81
CONSTRUCTION	\$	3,030,396.80
<b>TOTAL</b>	<b>\$</b>	<b>9,363,340.29</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	34.8	\$ 5,000.00	\$ 174,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork  Power pole on east ROW line Pipeline crossing on north end
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	34.8	\$ 36,000.00	\$ 1,252,800.00	
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	34.8	\$ 20,000.00	\$ 696,000.00	
CROSS CULVERT	EA	1	\$ 25,000.00	\$ 25,000.00	
OUTFALL	EA	1	\$ 25,000.00	\$ 25,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 2,172,800.00	
<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: 3-19  
ROAD: Katy Flewellen- Segment 1  
LIMITS: FROM: Gaston  
TO: Roundabout (Crossover Rd)  
LENGTH: FEET = 3480  
MILES = 0.66

DESCRIPTION: Construct 4-lane conc c&g blvd section w/ storm sewer, purchase additional ROW to get to ultimate 120' width

**COST SUMMARY**

ENGINEERING	\$	303,039.68
RIGHT OF WAY	\$	5,848,080.00
CONST. PHASE SERVICES	\$	181,823.81
CONSTRUCTION	\$	3,030,396.80
<b>TOTAL</b>	<b>\$</b>	<b>9,363,340.29</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	34.8	\$ 600.00	\$ 20,880.00	
SWPPP	STA	34.8	\$ 2,000.00	\$ 69,600.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 90,480.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	1	\$ 50,000.00	\$ 50,000.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 50,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 23,132.80	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 115,664.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 578,320.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 3,030,396.80	

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

PROJECT NO: 3-19  
ROAD: Katy Flewellen- Segment 1  
LIMITS: FROM: Gaston  
TO: Roundabout (Crossover Rd)  
LENGTH: FEET = 3480  
MILES = 0.66

DESCRIPTION: Construct 4-lane conc c&g blvd section w/ storm sewer, purchase additional ROW to get to ultimate 120' width

**COST SUMMARY**

ENGINEERING	\$	303,039.68
RIGHT OF WAY	\$	5,848,080.00
CONST. PHASE SERVICES	\$	181,823.81
CONSTRUCTION	\$	3,030,396.80
<b>TOTAL</b>	<b>\$</b>	<b>9,363,340.29</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 121,215.87	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 181,823.81	
<b>SUBTOTAL ENGINEERING</b>				\$ 303,039.68	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 60,607.94	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 121,215.87	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 181,823.81	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	208800	\$ 6.60	\$ 1,378,080.00	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	7	\$ 10,000.00	\$ 70,000.00	
PIPELINE RELOCATION	EA	1	\$ 4,400,000.00	\$ 4,400,000.00	2-30", 2-20", 1-9", 1-7", 1-5"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 5,848,080.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 303,039.68	
RIGHT OF WAY				\$ 5,848,080.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 181,823.81	materials testing & constr. eng
CONSTRUCTION				\$ 3,030,396.80	
<b>TOTAL PROJECT COST</b>				\$ 9,363,340.29	

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

PROJECT NO: 3-20  
ROAD: West Roesner - Segment 2  
LIMITS: FROM: Fulshear Katy Rd  
TO: Cinco Trace Dr  
LENGTH: FEET = 2000  
MILES = 0.38

DESCRIPTION: Construct 4-Lane conc. c&g blvd section and storm sewer with asphalt N-S connection to FM 1463, construct in exist. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	194,386.97
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	116,632.18
CONSTRUCTION	\$	1,943,869.70
<b>TOTAL</b>	<b>\$</b>	<b>2,254,888.85</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	20	\$ 5,000.00	\$ 100,000.00	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	20	\$ 36,000.00	\$ 720,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					power pole on south ROW line
NEW CONSTRUCTION	SY	2222	\$ 85.00	\$ 188,870.00	500' long by 40' wide
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	- 12' lanes with 8' shoulders
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	20	\$ 20,000.00	\$ 400,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	Outfall undetermined
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 1,408,870.00	
<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: 3-20  
ROAD: West Roesner - Segment 2  
LIMITS: FROM: Fulshear Katy Rd  
TO: Cinco Trace Dr  
LENGTH: FEET = 2000  
MILES = 0.38

DESCRIPTION: Construct 4-Lane conc. c&g blvd section and storm sewer with asphalt N-S connection to FM 1463, construct in exist. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	194,386.97
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	116,632.18
CONSTRUCTION	\$	1,943,869.70
<b>TOTAL</b>	<b>\$</b>	<b>2,254,888.85</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	20	\$ 600.00	\$ 12,000.00	
SWPPP	STA	20	\$ 2,000.00	\$ 40,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 52,000.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	0.46	\$ 50,000.00	\$ 23,000.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 23,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 14,838.70	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 74,193.50	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 370,967.50	
<b>CONSTRUCTION COST TOTAL</b>				\$ 1,943,869.70	

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

PROJECT NO: 3-20  
ROAD: West Roesner - Segment 2  
LIMITS: FROM: Fulshear Katy Rd  
TO: Cinco Trace Dr  
LENGTH: FEET = 2000  
MILES = 0.38

DESCRIPTION: Construct 4-Lane conc. c&g blvd section and storm sewer with asphalt N-S connection to FM 1463, construct in exist. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	194,386.97
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	116,632.18
CONSTRUCTION	\$	1,943,869.70
<b>TOTAL</b>	<b>\$</b>	<b>2,254,888.85</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 77,754.79	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 116,632.18	
<b>SUBTOTAL ENGINEERING</b>				<b>\$ 194,386.97</b>	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 38,877.39	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 77,754.79	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				<b>\$ 116,632.18</b>	
<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				
<b>SUBTOTAL RIGHT OF WAY</b>				<b>\$ -</b>	None
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 194,386.97	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 116,632.18	
CONSTRUCTION				\$ 1,943,869.70	
<b>TOTAL PROJECT COST</b>				<b>\$ 2,254,888.85</b>	Land cost plus acquisition cost materials testing & constr. eng

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

PROJECT NO: 3-21  
ROAD: E. roesner - segment 1  
LIMITS: FROM: Ex Roesner  
TO: Westheimer Pkwy  
LENGTH: FEET = 6700  
MILES = 1.27

DESCRIPTION: Construct new location 4-lane conc. c&g blvd section and storm sewer, 1 Bridge, 1 signal, purchase 120' ROW

**COST SUMMARY**

ENGINEERING	\$	769,094.45
RIGHT OF WAY	\$	7,672,800.00
CONST. PHASE SERVICES	\$	461,456.67
CONSTRUCTION	\$	7,690,944.50
<b>TOTAL</b>	<b>\$</b>	<b>16,594,295.62</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	67	\$ 5,000.00	\$ 335,000.00	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	67	\$ 36,000.00	\$ 2,412,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					Gas Plant adjacent to location
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF	19500	\$ 65.00	\$ 1,267,500.00	
STORM SEWER SYSTEM	STA	67	\$ 20,000.00	\$ 1,340,000.00	300' long 65' wide
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	1	\$ 25,000.00	\$ 25,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 5,379,500.00	
<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: 3-21  
ROAD: E. roesner - segment 1  
LIMITS: FROM: Ex Roesner  
TO: Westheimer Pkwy  
LENGTH: FEET = 6700  
MILES = 1.27

DESCRIPTION: Construct new location 4-lane conc. c&g blvd section and storm sewer, 1 Bridge, 1 signal, purchase 120' ROW

**COST SUMMARY**

ENGINEERING	\$	769,094.45
RIGHT OF WAY	\$	7,672,800.00
CONST. PHASE SERVICES	\$	461,456.67
CONSTRUCTION	\$	7,690,944.50
<b>TOTAL</b>	<b>\$</b>	<b>16,594,295.62</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 Westheimer Pkwy
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	67	\$ 600.00	\$ 40,200.00	
SWPPP	STA	67	\$ 2,000.00	\$ 134,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 299,200.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	3.845	\$ 50,000.00	\$ 192,250.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 192,250.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 58,709.50	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 293,547.50	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,467,737.50	
<b>CONSTRUCTION COST TOTAL</b>				\$ 7,690,944.50	



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

PROJECT NO: 3-21  
ROAD: E. roesner - segment 1  
LIMITS: FROM: Ex Roesner  
TO: Westheimer Pkwy  
LENGTH: FEET = 6700  
MILES = 1.27

DESCRIPTION: Construct new location 4-lane conc. c&g blvd section and storm sewer, 1 Bridge, 1 signal, purchase 120' ROW

**COST SUMMARY**

ENGINEERING	\$	769,094.45
RIGHT OF WAY	\$	7,672,800.00
CONST. PHASE SERVICES	\$	461,456.67
CONSTRUCTION	\$	7,690,944.50
<b>TOTAL</b>	<b>\$</b>	<b>16,594,295.62</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 307,637.78	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 461,456.67	
<b>SUBTOTAL ENGINEERING</b>				\$ 769,094.45	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 153,818.89	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 307,637.78	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 461,456.67	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	804000	\$ 5.70	\$ 4,582,800.00	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	9	\$ 10,000.00	\$ 90,000.00	
PIPELINE RELOCATION	EA	1	\$ 3,000,000.00	\$ 3,000,000.00	1-30", 2-20", 1-12"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 7,672,800.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 769,094.45	
RIGHT OF WAY				\$ 7,672,800.00	
CONSTRUCTION PHASE SERVICES				\$ 461,456.67	
CONSTRUCTION				\$ 7,690,944.50	
<b>TOTAL PROJECT COST</b>				\$ 16,594,295.62	Land cost plus acquisition cost materials testing & constr. eng

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

PROJECT NO: 3-22  
ROAD: E.Roesner - Segment 2  
LIMITS: FROM: Westheimer Pkwy  
TO: County Line  
LENGTH: FEET = 6270  
MILES = 1.19

DESCRIPTION: Construct 4-lane conc c&g blvd section w/ storm sewer, 1 signal, purchase additional ROW to get to ultimate 100' width

**COST SUMMARY**

ENGINEERING	\$	557,571.37
RIGHT OF WAY	\$	2,569,560.00
CONST. PHASE SERVICES	\$	334,542.82
CONSTRUCTION	\$	5,575,713.70
<b>TOTAL</b>	<b>\$</b>	<b>9,037,387.89</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	62.7	\$ 5,000.00	\$ 313,500.00	Paving items are inclusive of subgrade, base, surface, and earthwork  Powerline north side of ROW line Tight ROW Between house, pond, drainage channel. - (middle of job)
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	62.7	\$ 36,000.00	\$ 2,257,200.00	
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	62.7	\$ 20,000.00	\$ 1,254,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	2	\$ 25,000.00	\$ 50,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 3,874,700.00	
<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: 3-22  
ROAD: E.Roesner - Segment 2  
LIMITS: FROM: Westheimer Pkwy  
TO: County Line  
LENGTH: FEET = 6270  
MILES = 1.19

DESCRIPTION: Construct 4-lane conc c&g blvd section w/ storm sewer, 1 signal, purchase additional ROW to get to ultimate 100' width

**COST SUMMARY**

ENGINEERING	\$	557,571.37
RIGHT OF WAY	\$	2,569,560.00
CONST. PHASE SERVICES	\$	334,542.82
CONSTRUCTION	\$	5,575,713.70
<b>TOTAL</b>	<b>\$</b>	<b>9,037,387.89</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 Bay Hill
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	62.7	\$ 600.00	\$ 37,620.00	
SWPPP	STA	62.7	\$ 2,000.00	\$ 125,400.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 288,020.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	1.871	\$ 50,000.00	\$ 93,550.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 93,550.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 42,562.70	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 212,813.50	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,064,067.50	
<b>CONSTRUCTION COST TOTAL</b>				\$ 5,575,713.70	

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

PROJECT NO: 3-22  
ROAD: E.Roesner - Segment 2  
LIMITS: FROM: Westheimer Pkwy  
TO: County Line  
LENGTH: FEET = 6270  
MILES = 1.19

DESCRIPTION: Construct 4-lane conc c&g blvd section w/ storm sewer, 1 signal, purchase additional ROW to get to ultimate 100' width

**COST SUMMARY**

ENGINEERING	\$	557,571.37
RIGHT OF WAY	\$	2,569,560.00
CONST. PHASE SERVICES	\$	334,542.82
CONSTRUCTION	\$	5,575,713.70
<b>TOTAL</b>	<b>\$</b>	<b>9,037,387.89</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 223,028.55	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 334,542.82	
<b>SUBTOTAL ENGINEERING</b>				\$ 557,571.37	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 111,514.27	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 223,028.55	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 334,542.82	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	250800	\$ 5.70	\$ 1,429,560.00	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	24	\$ 10,000.00	\$ 240,000.00	
PIPELINE RELOCATION	EA	1	\$ 900,000.00	\$ 900,000.00	1-9", 1-7"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 2,569,560.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 557,571.37	
RIGHT OF WAY				\$ 2,569,560.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 334,542.82	materials testing & constr. eng
CONSTRUCTION				\$ 5,575,713.70	
<b>TOTAL PROJECT COST</b>				\$ 9,037,387.89	

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

PROJECT NO: 3-23  
ROAD: Greenbush  
LIMITS: FROM: Gaston  
TO: Westheimer Pkwy  
LENGTH: FEET = 6900  
MILES = 1.31

DESCRIPTION: Construct 4-lane undivided conc. c&g section and storm sewer, 1 bridge, purchase additional ROW to get to ultimate 80' width

**COST SUMMARY**

ENGINEERING	\$	633,699.40
RIGHT OF WAY	\$	936,600.00
CONST. PHASE SERVICES	\$	380,219.64
CONSTRUCTION	\$	6,336,994.00
<b>TOTAL</b>	<b>\$</b>	<b>8,287,513.04</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	69	\$ 5,000.00	\$ 345,000.00	
CONCRETE PAVEMENT					Paving items are inclusive of subgrade, base, surface, and earthwork
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	69	\$ 36,000.00	\$ 2,484,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	intersection at Gaston already built
ASPHALT PAVEMENT					Phone line on south side.
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	Powerline pole center of ditch
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	on east end top of ditch
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF	15600	\$ 65.00	\$ 1,014,000.00	200' long 60' wide
STORM SEWER SYSTEM	STA	33	\$ 20,000.00	\$ 660,000.00	Storm sewer exists from bridge to W.Pkwy.
CROSS CULVERT	EA	1	\$ 25,000.00	\$ 25,000.00	
OUTFALL	EA	1	\$ 25,000.00	\$ 25,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 4,553,000.00	
<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: 3-23  
ROAD: Greenbush  
LIMITS: FROM: Gaston  
TO: Westheimer Pkwy  
LENGTH: FEET = 6900  
MILES = 1.31

DESCRIPTION: Construct 4-lane undivided conc. c&g section and storm sewer, 1 bridge, purchase additional ROW to get to ultimate 80' width

**COST SUMMARY**

ENGINEERING	\$	633,699.40
RIGHT OF WAY	\$	936,600.00
CONST. PHASE SERVICES	\$	380,219.64
CONSTRUCTION	\$	6,336,994.00
<b>TOTAL</b>	<b>\$</b>	<b>8,287,513.04</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	69	\$ 600.00	\$ 41,400.00	
SWPPP	STA	69	\$ 2,000.00	\$ 138,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 179,400.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	2.1	\$ 50,000.00	\$ 105,000.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 105,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 48,374.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 241,870.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,209,350.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 6,336,994.00	

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

PROJECT NO: 3-23  
ROAD: Greenbush  
LIMITS: FROM: Gaston  
TO: Westheimer Pkwy  
LENGTH: FEET = 6900  
MILES = 1.31

DESCRIPTION: Construct 4-lane undivided conc. c&g section and storm sewer, 1 bridge, purchase additional ROW to get to ultimate 80' width

**COST SUMMARY**

ENGINEERING	\$	633,699.40
RIGHT OF WAY	\$	936,600.00
CONST. PHASE SERVICES	\$	380,219.64
CONSTRUCTION	\$	6,336,994.00
<b>TOTAL</b>	<b>\$</b>	<b>8,287,513.04</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 253,479.76	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 380,219.64	
<b>SUBTOTAL ENGINEERING</b>				\$ 633,699.40	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 126,739.88	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 253,479.76	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 380,219.64	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	138000	\$ 5.70	\$ 786,600.00	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	15	\$ 10,000.00	\$ 150,000.00	
PIPELINE RELOCATION	EA				
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 936,600.00	None
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 633,699.40	
RIGHT OF WAY				\$ 936,600.00	
CONSTRUCTION PHASE SERVICES				\$ 380,219.64	
CONSTRUCTION				\$ 6,336,994.00	
<b>TOTAL PROJECT COST</b>				\$ 8,287,513.04	Land cost plus acquisition cost materials testing & constr. eng

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

PROJECT NO: 3-24  
ROAD: Crossover - Segment 1  
LIMITS: FROM: FM 1463  
TO: Katy Flewellen (Spring Green)  
LENGTH: FEET = 4500  
MILES = 0.85

DESCRIPTION: Construct 1/2 conc c&g blvd section w/ storm sewer, 1 signal, purchase additional ROW to get to ultimate 120' width

**COST SUMMARY**

ENGINEERING	\$	73,058.70
RIGHT OF WAY	\$	2,551,250.00
CONST. PHASE SERVICES	\$	43,835.22
CONSTRUCTION	\$	730,587.00
<b>TOTAL</b>	<b>\$</b>	<b>3,398,730.92</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	4.5	\$ 5,000.00	\$ 22,500.00	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	2.25	\$ 36,000.00	\$ 81,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					Powerline on South ROW line
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	4.5	\$ 20,000.00	\$ 90,000.00	800 Linear Foot of Storm Sewer to Outfall - at \$200 per LF
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	1	\$ 160,000.00	\$ 160,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 353,500.00	
<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: 3-24  
ROAD: Crossover - Segment 1  
LIMITS: FROM: FM 1463  
TO: Katy Flewellen (Spring Green)  
LENGTH: FEET = 4500  
MILES = 0.85

DESCRIPTION: Construct 1/2 conc c&g blvd section w/ storm sewer, 1 signal, purchase additional ROW to get to ultimate 120' width

**COST SUMMARY**

ENGINEERING	\$	73,058.70
RIGHT OF WAY	\$	2,551,250.00
CONST. PHASE SERVICES	\$	43,835.22
CONSTRUCTION	\$	730,587.00
<b>TOTAL</b>	<b>\$</b>	<b>3,398,730.92</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 FM 1463
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	4.5	\$ 600.00	\$ 2,700.00	
SWPPP	STA	4.5	\$ 2,000.00	\$ 9,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 136,700.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	Detention provided for Full Blvd ( 4 lane)
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	1.35	\$ 50,000.00	\$ 67,500.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 67,500.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 5,577.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 27,885.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 139,425.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 730,587.00	

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

PROJECT NO: 3-24  
ROAD: Crossover - Segment 1  
LIMITS: FROM: FM 1463  
TO: Katy Flewellen (Spring Green)  
LENGTH: FEET = 4500  
MILES = 0.85

DESCRIPTION: Construct 1/2 conc c&g blvd section w/ storm sewer, 1 signal, purchase additional ROW to get to ultimate 120' width

**COST SUMMARY**

ENGINEERING	\$	73,058.70
RIGHT OF WAY	\$	2,551,250.00
CONST. PHASE SERVICES	\$	43,835.22
CONSTRUCTION	\$	730,587.00
<b>TOTAL</b>	<b>\$</b>	<b>3,398,730.92</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 29,223.48	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 43,835.22	
<b>SUBTOTAL ENGINEERING</b>				\$ 73,058.70	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 14,611.74	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 29,223.48	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 43,835.22	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	337500	\$ 2.70	\$ 911,250.00	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	4	\$ 10,000.00	\$ 40,000.00	
PIPELINE RELOCATION	EA	1	\$ 1,600,000.00	\$ 1,600,000.00	2-30"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 2,551,250.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 73,058.70	
RIGHT OF WAY				\$ 2,551,250.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 43,835.22	materials testing & constr. eng
CONSTRUCTION				\$ 730,587.00	
<b>TOTAL PROJECT COST</b>				\$ 3,398,730.92	

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

PROJECT NO: 3-25  
ROAD: Crossover - segment 2  
LIMITS: FROM: FM 1463  
TO: West Firethorne  
LENGTH: FEET = 4200  
MILES = 0.80

DESCRIPTION: Construct new location 4-lane conc c&g blvd section and storm sewer in exist. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	105,732.72
RIGHT OF WAY	\$	1,900,000.00
CONST. PHASE SERVICES	\$	63,439.63
CONSTRUCTION	\$	1,057,327.20
<b>TOTAL</b>	<b>\$</b>	<b>3,126,499.55</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	4.2	\$ 5,000.00	\$ 21,000.00	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	4.2	\$ 36,000.00	\$ 151,200.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					Pipeline crossing on East end
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	4.2	\$ 20,000.00	\$ 84,000.00	2100 LF storm sewer at &200 per LF
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	1	\$ 420,000.00	\$ 420,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 676,200.00	Estimate outfall into Prop. W. Firethorne Storm Sewer
<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: 3-25  
ROAD: Crossover - segment 2  
LIMITS: FROM: FM 1463  
TO: West Firethorne  
LENGTH: FEET = 4200  
MILES = 0.80

DESCRIPTION: Construct new location 4-lane conc c&g blvd section and storm sewer in exist. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	105,732.72
RIGHT OF WAY	\$	1,900,000.00
CONST. PHASE SERVICES	\$	63,439.63
CONSTRUCTION	\$	1,057,327.20
<b>TOTAL</b>	<b>\$</b>	<b>3,126,499.55</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	4.2	\$ 600.00	\$ 2,520.00	
SWPPP	STA	4.2	\$ 2,000.00	\$ 8,400.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 10,920.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	2.4	\$ 50,000.00	\$ 120,000.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 120,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 8,071.20	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 40,356.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 201,780.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 1,057,327.20	

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

PROJECT NO: 3-25  
ROAD: Crossover - segment 2  
LIMITS: FROM: FM 1463  
TO: West Firethorne  
LENGTH: FEET = 4200  
MILES = 0.80

DESCRIPTION: Construct new location 4-lane conc c&g blvd section and storm sewer in exist. 100' ROW

**COST SUMMARY**

ENGINEERING	\$	105,732.72
RIGHT OF WAY	\$	1,900,000.00
CONST. PHASE SERVICES	\$	63,439.63
CONSTRUCTION	\$	1,057,327.20
<b>TOTAL</b>	<b>\$</b>	<b>3,126,499.55</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 42,293.09	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 63,439.63	
<b>SUBTOTAL ENGINEERING</b>				<b>\$ 105,732.72</b>	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 21,146.54	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 42,293.09	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				<b>\$ 63,439.63</b>	
<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	\$ 1,900,000.00	\$ 1,900,000.00	2-30", 1-7"
<b>SUBTOTAL RIGHT OF WAY</b>				<b>\$ 1,900,000.00</b>	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 105,732.72	
RIGHT OF WAY				\$ 1,900,000.00	
CONSTRUCTION PHASE SERVICES				\$ 63,439.63	
CONSTRUCTION				\$ 1,057,327.20	
<b>TOTAL PROJECT COST</b>				<b>\$ 3,126,499.55</b>	Land cost plus acquisition cost materials testing & constr. eng

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

PROJECT NO: 3-26  
ROAD: Beechnut Rehab  
LIMITS: FROM: Peek Road  
TO: FBISD  
LENGTH: FEET = 9550  
MILES = 1.81

DESCRIPTION: Construct 1/2 conc c&g blvd section w/ storm sewer, purchase additional ROW to get to ultimate 120' width

**COST SUMMARY**

ENGINEERING	\$	592,421.30
RIGHT OF WAY	\$	3,537,100.00
CONST. PHASE SERVICES	\$	355,452.78
CONSTRUCTION	\$	5,924,213.00
<b>TOTAL</b>	<b>\$</b>	<b>10,409,187.08</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	95.5	\$ 5,000.00	\$ 477,500.00	Paving items are inclusive of subgrade, base, surface, and earthwork  phone line along south ROW Gas line crossing on west end Detention pond outside South side ROW
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	47.75	\$ 36,000.00	\$ 1,719,000.00	
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	95.5	\$ 20,000.00	\$ 1,910,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	1	\$ 25,000.00	\$ 25,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 4,131,500.00	
<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: 3-26  
ROAD: Beechnut Rehab  
LIMITS: FROM: Peek Road  
TO: FBISD  
LENGTH: FEET = 9550  
MILES = 1.81

DESCRIPTION: Construct 1/2 conc c&g blvd section w/ storm sewer, purchase additional ROW to get to ultimate 120' width

**COST SUMMARY**

ENGINEERING	\$	592,421.30
RIGHT OF WAY	\$	3,537,100.00
CONST. PHASE SERVICES	\$	355,452.78
CONSTRUCTION	\$	5,924,213.00
<b>TOTAL</b>	<b>\$</b>	<b>10,409,187.08</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	95.5	\$ 600.00	\$ 57,300.00	
SWPPP	STA	95.5	\$ 2,000.00	\$ 191,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 248,300.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	2.85	\$ 50,000.00	\$ 142,500.00	Detention provided for full Blvd. (4 lane)
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 142,500.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 45,223.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 226,115.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,130,575.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 5,924,213.00	

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

PROJECT NO: 3-26  
ROAD: Beechnut Rehab  
LIMITS: FROM: Peek Road  
TO: FBISD  
LENGTH: FEET = 9550  
MILES = 1.81

DESCRIPTION: Construct 1/2 conc c&g blvd section w/ storm sewer, purchase additional ROW to get to ultimate 120' width

**COST SUMMARY**

ENGINEERING	\$	592,421.30
RIGHT OF WAY	\$	3,537,100.00
CONST. PHASE SERVICES	\$	355,452.78
CONSTRUCTION	\$	5,924,213.00
<b>TOTAL</b>	<b>\$</b>	<b>10,409,187.08</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 236,968.52	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 355,452.78	
<b>SUBTOTAL ENGINEERING</b>				\$ 592,421.30	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 118,484.26	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 236,968.52	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 355,452.78	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	573000	\$ 2.70	\$ 1,547,100.00	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	9	\$ 10,000.00	\$ 90,000.00	
PIPELINE RELOCATION	EA	1	\$ 1,900,000.00	\$ 1,900,000.00	1-30", 1-18", 1-5"
<b>SUBTOTAL RIGHT OF WAY</b>				\$ 3,537,100.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 592,421.30	
RIGHT OF WAY				\$ 3,537,100.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 355,452.78	materials testing & constr. eng
CONSTRUCTION				\$ 5,924,213.00	
<b>TOTAL PROJECT COST</b>				\$ 10,409,187.08	



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

PROJECT NO: 3-27  
ROAD: Peek road  
LIMITS: FROM: Beechnut  
TO: SH 99  
LENGTH: FEET = 2400  
MILES = 0.45

DESCRIPTION: Construct new location 4-lane conc c&g blvd section and storm sewer, purchase 120' ROW

**COST SUMMARY**

ENGINEERING	\$	214,171.90
RIGHT OF WAY	\$	827,600.00
CONST. PHASE SERVICES	\$	128,503.14
CONSTRUCTION	\$	2,141,719.00
<b>TOTAL</b>	<b>\$</b>	<b>3,311,994.04</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA	24	\$ 5,000.00	\$ 120,000.00	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	24	\$ 36,000.00	\$ 864,000.00	
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	24	\$ 20,000.00	\$ 480,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	1	\$ 40,000.00	\$ 40,000.00	200' Storm Sewer per \$200 LF
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 1,504,000.00	Outfall undetermined
<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: 3-27  
ROAD: Peek road  
LIMITS: FROM: Beechnut  
TO: SH 99  
LENGTH: FEET = 2400  
MILES = 0.45

DESCRIPTION: 

Construct new location 4-lane conc c&g blvd section and storm sewer, purchase 120' ROW

**COST SUMMARY**

ENGINEERING	\$	214,171.90
RIGHT OF WAY	\$	827,600.00
CONST. PHASE SERVICES	\$	128,503.14
CONSTRUCTION	\$	2,141,719.00
<b>TOTAL</b>	<b>\$</b>	<b>3,311,994.04</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	24	\$ 600.00	\$ 14,400.00	
SWPPP	STA	24	\$ 2,000.00	\$ 48,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 62,400.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	1.37	\$ 50,000.00	\$ 68,500.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
<b>SUBTOTAL SPECIAL ITEMS</b>				\$ 68,500.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 16,349.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 81,745.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 408,725.00	
<b>CONSTRUCTION COST TOTAL</b>				\$ 2,141,719.00	

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

PROJECT NO: 3-27  
ROAD: Peek road  
LIMITS: FROM: Beechnut  
TO: SH 99  
LENGTH: FEET = 2400  
MILES = 0.45

DESCRIPTION: 

Construct new location 4-lane conc c&g blvd section and storm sewer, purchase 120' ROW

**COST SUMMARY**

ENGINEERING	\$	214,171.90
RIGHT OF WAY	\$	827,600.00
CONST. PHASE SERVICES	\$	128,503.14
CONSTRUCTION	\$	2,141,719.00
<b>TOTAL</b>	<b>\$</b>	<b>3,311,994.04</b>

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

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

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 85,668.76	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 128,503.14	
<b>SUBTOTAL ENGINEERING</b>				<b>\$ 214,171.90</b>	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 42,834.38	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 85,668.76	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				<b>\$ 128,503.14</b>	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	288000	\$ 2.70	\$ 777,600.00	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	5	\$ 10,000.00	\$ 50,000.00	
PIPELINE RELOCATION	EA				
<b>SUBTOTAL RIGHT OF WAY</b>				<b>\$ 827,600.00</b>	None
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 214,171.90	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 827,600.00	
CONSTRUCTION PHASE SERVICES				\$ 128,503.14	
CONSTRUCTION				\$ 2,141,719.00	
<b>TOTAL PROJECT COST</b>				<b>\$ 3,311,994.04</b>	

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

PROJECT NO: 3-28  
ROAD: W. Firethorne Road  
LIMITS: FROM: Existing W. Firethorne  
TO: Kingsland Blvd Extension  
LENGTH: FEET = 1800  
MILES = 0.34

DESCRIPTION: Construct half of a 4-lane concrete divided boulevard with curb and gutter. Storm sewer for entire reach of project plus additional 1100 lf for offsite storm sewer. 100' ROW.

**COST SUMMARY**

ENGINEERING	\$	137,447.58
RIGHT OF WAY	\$	470,000.00
CONST. PHASE SERVICES	\$	82,468.55
CONSTRUCTION	\$	1,374,475.82
<b>TOTAL</b>	<b>\$</b>	<b>2,064,391.95</b>

PREPARED BY: Justin R. Ring, P.E.

Date: 06/13/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ROADWAY &amp; DRAINAGE</b>					
REMOVAL/PREP ROW	STA		\$ 5,000.00	\$ -	
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	9	\$ 36,000.00	\$ 324,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	Half of length due to half of boulevard
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	29	\$ 20,000.00	\$ 580,000.00	off-site storm sewer to outfall to east
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	1	\$ 25,000.00	\$ 25,000.00	
<b>SUBTOTAL ROADWAY &amp; DRAINAGE</b>				\$ 929,000.00	
<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**

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CONSTRUCTION	\$	1,374,475.82
<b>TOTAL</b>	<b>\$</b>	<b>2,064,391.95</b>

PREPARED BY: Justin R. Ring, P.E.

Date: 06/13/13

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	9	\$ 600.00	\$ 5,400.00	
SWPPP	STA	29	\$ 2,000.00	\$ 58,000.00	
<b>SUBTOTAL MISCELLANEOUS</b>				\$ 63,400.00	
<b>SPECIAL ITEMS</b>					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	1.14	\$ 50,000.00	\$ 56,818.18	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>				\$ 56,818.18	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 10,492.18	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 52,460.91	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 262,304.55	
<b>CONSTRUCTION COST TOTAL</b>				\$ 1,374,475.82	

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

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ROAD: W. Firethorne Road  
LIMITS: FROM: Existing W. Firethorne  
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RIGHT OF WAY	\$	470,000.00
CONST. PHASE SERVICES	\$	82,468.55
CONSTRUCTION	\$	1,374,475.82
<b>TOTAL</b>	<b>\$</b>	<b>2,064,391.95</b>

PREPARED BY: Justin R. Ring, P.E.

Date: 06/13/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
<b>ENGINEERING</b>					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 54,979.03	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 82,468.55	
<b>SUBTOTAL ENGINEERING</b>				\$ 137,447.58	
<b>CONSTRUCTION PHASE SERVICES</b>					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 27,489.52	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 54,979.03	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>				\$ 82,468.55	
<b>RIGHT OF WAY</b>					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	180000	\$ 2.50	\$ 450,000.00	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>				\$ 470,000.00	
<b>PROJECT COST SUMMARY</b>					
ENGINEERING				\$ 137,447.58	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 470,000.00	
CONSTRUCTION PHASE SERVICES				\$ 82,468.55	
CONSTRUCTION				\$ 1,374,475.82	
<b>TOTAL PROJECT COST</b>				\$ 2,064,391.95	