

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

PROJECT NO: 4-01
ROAD: US 90A
LIMITS: FROM: 650' West of SH 6
TO: 250' West of Ellis Creek Boulevard
LENGTH: FEET = 5375
MILES = 1.02
DESCRIPTION: Construct 8-Lanes Conc Curb & Gutter from 650'
W of SH 6 to 250' W of Ellis Creek Blvd

COST SUMMARY

ENGINEERING	\$	1,036,868.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	622,120.80
CONSTRUCTION	\$	10,368,680.00
TOTAL	\$	12,027,668.80

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ROADWAY & DRAINAGE					
REMOVAL/PREP ROW	STA	53.75	\$ 5,000.00	\$ 268,750.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
2-LANE C&G (32' F-F)	STA		\$ 16,000.00	\$ -	
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
RECONSTRUCTION/WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF	12480	\$ 65.00	\$ 811,200.00	2-120'x52' Channel Crossings
STORM SEWER SYSTEM	STA	53.75	\$ 20,000.00	\$ 1,075,000.00	
CROSS CULVERT	EA	10	\$ 25,000.00	\$ 250,000.00	1 Cross Culvert, 9 Parallel Culverts
OUTFALL	EA			\$ -	
SUBTOTAL ROADWAY & DRAINAGE				\$ 6,274,950.00	
UTILITIES					
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	\$ -	
SUBTOTAL UTILITIES				\$ -	

**PROGRAM ESTIMATE
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PROJECT NO: 4-01
ROAD: US 90A
LIMITS: FROM: 650' West of SH 6
 TO: 250' West of Ellis Creek Boulevard
LENGTH: FEET = 5375
 MILES = 1.02

DESCRIPTION: Construct 8-Lanes Conc Curb & Gutter from 650'
 W of SH 6 to 250' W of Ellis Creek Blvd

COST SUMMARY

ENGINEERING	\$	1,036,868.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	622,120.80
CONSTRUCTION	\$	10,368,680.00
TOTAL	\$	12,027,668.80

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
MISCELLANEOUS					
SIGNALIZED INTERSECTION	EA	2	\$ 125,000.00	\$ 250,000.00	
ROADWAY ILLUMINATION	MI	1.02	\$ 200,000.00	\$ 204,000.00	
SIGNING & PAVEMENT MARKINGS	STA	53.75	\$ 600.00	\$ 32,250.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	53.75	\$ 2,000.00	\$ 107,500.00	
SUBTOTAL MISCELLANEOUS				\$ 593,750.00	
SPECIAL ITEMS					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT		\$ 50,000.00	\$ -	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA	53.75	\$ 10,000.00	\$ 537,500.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
SUBTOTAL SPECIAL ITEMS				\$ 537,500.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	5%	\$ 370,310.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	10%	\$ 740,620.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,851,550.00	
CONSTRUCTION COST TOTAL				\$ 10,368,680.00	

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

PROJECT NO: 4-01
ROAD: US 90A
LIMITS: FROM: 650' West of SH 6
TO: 250' West of Ellis Creek Boulevard
LENGTH: FEET = 5375
MILES = 1.02
DESCRIPTION: Construct 8-Lanes Conc Curb & Gutter from 650'
W of SH 6 to 250' W of Ellis Creek Blvd

COST SUMMARY

ENGINEERING	\$	1,036,868.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	622,120.80
CONSTRUCTION	\$	10,368,680.00
TOTAL	\$	12,027,668.80

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ENGINEERING					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 414,747.20	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 622,120.80	
SUBTOTAL ENGINEERING				\$ 1,036,868.00	
CONSTRUCTION PHASE SERVICES					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 207,373.60	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 414,747.20	
SUBTOTAL CONSTRUCTION PHASE SERVICES				\$ 622,120.80	
RIGHT OF WAY					
UNDEVELOPED	SF		\$ 2.70	\$ -	
HARD CORNERS	SF		\$ 2.70	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA				
SUBTOTAL RIGHT OF WAY				\$ -	
PROJECT COST SUMMARY					
ENGINEERING				\$ 1,036,868.00	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 622,120.80	
CONSTRUCTION				\$ 10,368,680.00	
TOTAL PROJECT COST				\$ 12,027,668.80	

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

PROJECT NO: 4-03
ROAD: US 90A
LIMITS: FROM: 650' West of Grand Parkway (SH 99)
TO: 650' West of FM 359
LENGTH: FEET = 18,570
MILES = 3.52

DESCRIPTION: Add 1-Lane/ea dir from 650' W of Grand Pkwy to
2160' W of Grand Pkwy + Construct 8-Lanes from
2160' W of Grand Pkwy to 650' W of FM 359

COST SUMMARY

ENGINEERING	\$	2,939,064.80
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	1,763,438.88
CONSTRUCTION	\$	29,390,648.00
TOTAL	\$	34,093,151.68

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ROADWAY & DRAINAGE					
REMOVAL/PREP ROW	STA	185.70	\$ 5,000.00	\$ 928,500.00	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		\$ 36,000.00	\$ -	
8-LANE DIVIDED C&G (104' F-F)	STA	174.75	\$ 72,000.00	\$ 12,582,000.00	171 Full Sta + 15 Sta Adding 1-Lane ea/dir
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	185.70	\$ 20,000.00	\$ 3,714,000.00	
CROSS CULVERT	EA	9	\$ 25,000.00	\$ 225,000.00	
OUTFALL	EA			\$ -	
SUBTOTAL ROADWAY & DRAINAGE				\$ 17,449,500.00	
UTILITIES					
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	\$ -	
SUBTOTAL UTILITIES				\$ -	

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

PROJECT NO: 4-03
ROAD: US 90A
LIMITS: FROM: 650' West of Grand Parkway (SH 99)
TO: 650' West of FM 359
LENGTH: FEET = 18,570
MILES = 3.52

DESCRIPTION: Add 1-Lane/ea dir from 650' W of Grand Pkwy to
2160' W of Grand Pkwy + Construct 8-Lanes from
2160' W of Grand Pkwy to 650' W of FM 359

COST SUMMARY

ENGINEERING	\$	2,939,064.80
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	1,763,438.88
CONSTRUCTION	\$	29,390,648.00
TOTAL	\$	34,093,151.68

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
MISCELLANEOUS					
SIGNALIZED INTERSECTION	EA	4	\$ 125,000.00	\$ 500,000.00	
ROADWAY ILLUMINATION	MI	3.52	\$ 200,000.00	\$ 704,000.00	
SIGNING & PAVEMENT MARKINGS	STA	185.70	\$ 600.00	\$ 111,420.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	185.70	\$ 2,000.00	\$ 371,400.00	
SUBTOTAL MISCELLANEOUS				\$ 1,686,820.00	
SPECIAL ITEMS					
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	185.70	\$ 10,000.00	\$ 1,857,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
SUBTOTAL SPECIAL ITEMS				\$ 1,857,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	5%	\$ 1,049,666.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	10%	\$ 2,099,332.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 5,248,330.00	
CONSTRUCTION COST TOTAL				\$ 29,390,648.00	

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

PROJECT NO: 4-03
ROAD: US 90A
LIMITS: FROM: 650' West of Grand Parkway (SH 99)
TO: 650' West of FM 359
LENGTH: FEET = 18,570
MILES = 3.52

DESCRIPTION: Add 1-Lane/ea dir from 650' W of Grand Pkwy to
2160' W of Grand Pkwy + Construct 8-Lanes from
2160' W of Grand Pkwy to 650' W of FM 359

COST SUMMARY

ENGINEERING	\$	2,939,064.80
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	1,763,438.88
CONSTRUCTION	\$	29,390,648.00
TOTAL	\$	34,093,151.68

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ENGINEERING					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 1,175,625.92	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 1,763,438.88	
SUBTOTAL ENGINEERING				\$ 2,939,064.80	
CONSTRUCTION PHASE SERVICES					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 587,812.96	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 1,175,625.92	
SUBTOTAL CONSTRUCTION PHASE SERVICES				\$ 1,763,438.88	
RIGHT OF WAY					
UNDEVELOPED	SF		\$ 2.70	\$ -	
HARD CORNERS	SF		\$ 2.70	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
SUBTOTAL RIGHT OF WAY				\$ -	
PROJECT COST SUMMARY					
ENGINEERING				\$ 2,939,064.80	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 1,763,438.88	
CONSTRUCTION				\$ 29,390,648.00	
TOTAL PROJECT COST				\$ 34,093,151.68	Land cost plus acquisition cost materials testing & constr. eng

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

PROJECT NO: 4-02
ROAD: US 90A
LIMITS: FROM: 250' West of Ellis Creek Boulevard
TO: 650' West of Grand Parkway (SH 99)
LENGTH: FEET = 6750
MILES = 1.28

DESCRIPTION: Construct 8-Lanes from 250' W of Ellis Creek Blvd to 1740' E of Grand Pkwy + Add 1-Lane/ea dir from 1740' E of Grand Pkwy to 650' W of Grand Pkwy.

COST SUMMARY

ENGINEERING	\$	944,160.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	566,496.00
CONSTRUCTION	\$	9,441,600.00
TOTAL	\$	10,952,256.00

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ROADWAY & DRAINAGE					
REMOVAL/PREP ROW	STA	67.50	\$ 5,000.00	\$ 337,500.00	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		\$ 36,000.00	\$ -	
8-LANE DIVIDED C&G (104' F-F)	STA	50.00	\$ 72,000.00	\$ 3,600,000.00	44 Full Sta + 24 Sta Adding 1-Lane ea/dir
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	67.50	\$ 20,000.00	\$ 1,350,000.00	
CROSS CULVERT	EA	4	\$ 25,000.00	\$ 100,000.00	
OUTFALL	EA			\$ -	
SUBTOTAL ROADWAY & DRAINAGE				\$ 5,387,500.00	
UTILITIES					
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	\$ -	
SUBTOTAL UTILITIES				\$ -	

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

PROJECT NO: 4-02
ROAD: US 90A
LIMITS: FROM: 250' West of Ellis Creek Boulevard
TO: 650' West of Grand Parkway (SH 99)
LENGTH: FEET = 6750
MILES = 1.28

DESCRIPTION: Construct 8-Lanes from 250' W of Ellis Creek Blvd to 1740' E of Grand Pkwy + Add 1-Lane/ea dir from 1740' E of Grand Pkwy to 650' W of Grand Pkwy.

COST SUMMARY

ENGINEERING	\$	944,160.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	566,496.00
CONSTRUCTION	\$	9,441,600.00
TOTAL	\$	10,952,256.00

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
MISCELLANEOUS					
SIGNALIZED INTERSECTION	EA	2	\$ 125,000.00	\$ 250,000.00	
ROADWAY ILLUMINATION	MI	1.28	\$ 200,000.00	\$ 256,000.00	
SIGNING & PAVEMENT MARKINGS	STA	67.50	\$ 600.00	\$ 40,500.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	67.50	\$ 2,000.00	\$ 135,000.00	
SUBTOTAL MISCELLANEOUS				\$ 681,500.00	
SPECIAL ITEMS					
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	67.50	\$ 10,000.00	\$ 675,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
SUBTOTAL SPECIAL ITEMS				\$ 675,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	5%	\$ 337,200.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	10%	\$ 674,400.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,686,000.00	
CONSTRUCTION COST TOTAL				\$ 9,441,600.00	

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

PROJECT NO: 4-02
ROAD: US 90A
LIMITS: FROM: 250' West of Ellis Creek Boulevard
TO: 650' West of Grand Parkway (SH 99)
LENGTH: FEET = 6750
MILES = 1.28

DESCRIPTION: Construct 8-Lanes from 250' W of Ellis Creek Blvd to 1740' E of Grand Pkwy + Add 1-Lane/ea dir from 1740' E of Grand Pkwy to 650' W of Grand Pkwy.

COST SUMMARY

ENGINEERING	\$	944,160.00
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	566,496.00
CONSTRUCTION	\$	9,441,600.00
TOTAL	\$	10,952,256.00

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ENGINEERING					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 377,664.00	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 566,496.00	
SUBTOTAL ENGINEERING				\$ 944,160.00	
CONSTRUCTION PHASE SERVICES					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 188,832.00	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 377,664.00	
SUBTOTAL CONSTRUCTION PHASE SERVICES				\$ 566,496.00	
RIGHT OF WAY					
UNDEVELOPED	SF		\$ 2.70	\$ -	
HARD CORNERS	SF		\$ 2.70	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA			\$ -	
SUBTOTAL RIGHT OF WAY				\$ -	
PROJECT COST SUMMARY					
ENGINEERING				\$ 944,160.00	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 566,496.00	
CONSTRUCTION				\$ 9,441,600.00	
TOTAL PROJECT COST				\$ 10,952,256.00	Land cost plus acquisition cost materials testing & constr. eng

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

PROJECT NO: 4-04
ROAD: West Belfort Ave
LIMITS: FROM: 400' West of Binion Ln
 TO: Harlem Rd
LENGTH: FEET = 7,150
 MILES = 1.35

DESCRIPTION: Construct 4-Lane Divided Conc Curb & Gutter
 7050' of 2-Lanes from 400' W of Binion Ln to
 Harlem Rd
 5400' of 2-Lanes from 250 W of Westmoor to
 Harlem Rd

COST SUMMARY

ENGINEERING	\$	688,850.40
RIGHT OF WAY	\$	1,471,350.00
CONST. PHASE SERVICES	\$	413,310.24
CONSTRUCTION	\$	6,888,504.00
TOTAL	\$	9,462,014.64

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ROADWAY & DRAINAGE					
REMOVAL/PREP ROW	STA	71.50	\$ 5,000.00	\$ 357,500.00	Paving items are inclusive of subgrade, base, surface, and earthwork 54 Full Sta + 17 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	62.50	\$ 36,000.00	\$ 2,250,000.00	
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	71.50	\$ 20,000.00	\$ 1,430,000.00	
CROSS CULVERT	EA	2	\$ 25,000.00	\$ 50,000.00	
OUTFALL	EA			\$ -	
SUBTOTAL ROADWAY & DRAINAGE				\$ 4,087,500.00	
UTILITIES					
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	\$ -	
SUBTOTAL UTILITIES				\$ -	

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

PROJECT NO: 4-04
ROAD: West Belfort Ave
LIMITS: FROM: 400' West of Binion Ln
TO: Harlem Rd
LENGTH: FEET = 7,150
MILES = 1.35

DESCRIPTION: Construct 4-Lane Divided Conc Curb & Gutter
7050' of 2-Lanes from 400' W of Binion Ln to
Harlem Rd
5400' of 2-Lanes from 250 W of Westmoor to
Harlem Rd

COST SUMMARY

ENGINEERING	\$	688,850.40
RIGHT OF WAY	\$	1,471,350.00
CONST. PHASE SERVICES	\$	413,310.24
CONSTRUCTION	\$	6,888,504.00
TOTAL	\$	9,462,014.64

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
MISCELLANEOUS					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	1.35	\$ 200,000.00	\$ 270,000.00	
SIGNING & PAVEMENT MARKINGS	STA	71.50	\$ 600.00	\$ 42,900.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	71.50	\$ 2,000.00	\$ 143,000.00	
SUBTOTAL MISCELLANEOUS				\$ 455,900.00	
SPECIAL ITEMS					
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	71.50	\$ 10,000.00	\$ 715,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
SUBTOTAL SPECIAL ITEMS				\$ 715,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 52,584.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 262,920.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,314,600.00	
CONSTRUCTION COST TOTAL				\$ 6,888,504.00	

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

PROJECT NO: 4-04
ROAD: West Belfort Ave
LIMITS: FROM: 400' West of Binion Ln
TO: Harlem Rd
LENGTH: FEET = 7,150
MILES = 1.35

DESCRIPTION: Construct 4-Lane Divided Conc Curb & Gutter
7050' of 2-Lanes from 400' W of Binion Ln to
Harlem Rd
5400' of 2-Lanes from 250 W of Westmoor to
Harlem Rd

COST SUMMARY

ENGINEERING	\$	688,850.40
RIGHT OF WAY	\$	1,471,350.00
CONST. PHASE SERVICES	\$	413,310.24
CONSTRUCTION	\$	6,888,504.00
TOTAL	\$	9,462,014.64

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ENGINEERING					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 275,540.16	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 413,310.24	
SUBTOTAL ENGINEERING				\$ 688,850.40	
CONSTRUCTION PHASE SERVICES					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 137,770.08	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 275,540.16	
SUBTOTAL CONSTRUCTION PHASE SERVICES				\$ 413,310.24	
RIGHT OF WAY					
UNDEVELOPED	SF	500500	\$ 2.70	\$ 1,351,350.00	7150' x 70'
HARD CORNERS	SF		\$ 2.70	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	12	\$ 10,000.00	\$ 120,000.00	
PIPELINE RELOCATION	EA				
SUBTOTAL RIGHT OF WAY				\$ 1,471,350.00	
PROJECT COST SUMMARY					
ENGINEERING				\$ 688,850.40	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 1,471,350.00	
CONSTRUCTION PHASE SERVICES				\$ 413,310.24	
CONSTRUCTION				\$ 6,888,504.00	
TOTAL PROJECT COST				\$ 9,462,014.64	

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

PROJECT NO: 4-05
ROAD: Owens Rd
LIMITS: FROM: FM 1464
 TO: Harlem Rd
LENGTH: FEET = 10,630
 MILES = 2.01
DESCRIPTION: Construct 2-Lane Conc Roadway w/10' Shoulders

COST SUMMARY

ENGINEERING	\$	742,476.27
RIGHT OF WAY	\$	4,974,100.00
CONST. PHASE SERVICES	\$	445,485.76
CONSTRUCTION	\$	7,424,762.69
TOTAL	\$	13,586,824.72

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ROADWAY & DRAINAGE					
REMOVAL/PREP ROW	STA	106.30	\$ 5,000.00	\$ 531,500.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
2-LANE Conc (2-12'+10'=44')	STA	106.30	\$ 32,000.00	\$ 3,401,600.00	
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA		\$ 36,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
RECONSTRUCTION/WIDEN	LN-MI		\$ 300,000.00	\$ -	
CONCRETE C&G	LF		\$ 15.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA		\$ 20,000.00	\$ -	
CROSS CULVERT	EA	4	\$ 25,000.00	\$ 100,000.00	
OUTFALL	EA			\$ -	
SUBTOTAL ROADWAY & DRAINAGE				\$ 4,033,100.00	
UTILITIES					
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	\$ -	
SUBTOTAL UTILITIES				\$ -	

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

PROJECT NO: 4-05
ROAD: Owens Rd
LIMITS: FROM: FM 1464
TO: Harlem Rd
LENGTH: FEET = 10,630
MILES = 2.01
DESCRIPTION: Construct 2-Lane Conc Roadway w/10' Shoulders

COST SUMMARY

ENGINEERING	\$	742,476.27
RIGHT OF WAY	\$	4,974,100.00
CONST. PHASE SERVICES	\$	445,485.76
CONSTRUCTION	\$	7,424,762.69
TOTAL	\$	13,586,824.72

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
MISCELLANEOUS					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	106.30	\$ 600.00	\$ 63,780.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	106.30	\$ 2,000.00	\$ 212,600.00	
SUBTOTAL MISCELLANEOUS				\$ 276,380.00	
SPECIAL ITEMS					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	5.91	\$ 50,000.00	\$ 295,277.78	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA	106.30	\$ 10,000.00	\$ 1,063,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
SUBTOTAL SPECIAL ITEMS				\$ 1,358,277.78	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 56,677.58	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 283,387.89	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,416,939.44	
CONSTRUCTION COST TOTAL				\$ 7,424,762.69	

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

PROJECT NO: 4-05
ROAD: Owens Rd
LIMITS: FROM: FM 1464
 TO: Harlem Rd
LENGTH: FEET = 10,630
 MILES = 2.01
DESCRIPTION: Construct 2-Lane Conc Roadway w/10' Shoulders

COST SUMMARY

ENGINEERING	\$	742,476.27
RIGHT OF WAY	\$	4,974,100.00
CONST. PHASE SERVICES	\$	445,485.76
CONSTRUCTION	\$	7,424,762.69
TOTAL	\$	13,586,824.72

PREPARED BY: Matthew Estes

Date: 06/20/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ENGINEERING					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 296,990.51	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 445,485.76	
SUBTOTAL ENGINEERING				\$ 742,476.27	
CONSTRUCTION PHASE SERVICES					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 148,495.25	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 296,990.51	
SUBTOTAL CONSTRUCTION PHASE SERVICES				\$ 445,485.76	
RIGHT OF WAY					
UNDEVELOPED	SF	1063000	\$ 2.70	\$ 2,870,100.00	10,630' x 100'
HARD CORNERS	SF	20000	\$ 2.70	\$ 54,000.00	5000 SF per intersection x 4 int.
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	15	\$ 10,000.00	\$ 150,000.00	
PIPELINE RELOCATION (under 8")	EA	1	\$ 300,000.00	\$ 300,000.00	2" Gas
PIPELINE RELOCATION (8'-16")	EA		\$ 600,000.00	\$ -	
PIPELINE RELOCATION (above 16")	EA	2	\$ 800,000.00	\$ 1,600,000.00	1-30" Methane + 1-18" Gas
SUBTOTAL RIGHT OF WAY				\$ 4,974,100.00	
PROJECT COST SUMMARY					
ENGINEERING				\$ 742,476.27	
RIGHT OF WAY				\$ 4,974,100.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 445,485.76	materials testing & constr. eng
CONSTRUCTION				\$ 7,424,762.69	
TOTAL PROJECT COST				\$ 13,586,824.72	

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

PROJECT NO: 4-07
ROAD: Burney Road extension
LIMITS: FROM: Stadium Dr
TO: US 90A
LENGTH: FEET = 2500
MILES = 0.47

DESCRIPTION: 4-lane concrete boulevard, creek crossing, RR overpass and at-grade crossing and signal at US 90A, purchase of 120' ROW

COST SUMMARY

ENGINEERING	\$	676,484.00
RIGHT OF WAY	\$	1,640,000.00
CONST. PHASE SERVICES	\$	405,890.40
CONSTRUCTION	\$	6,764,840.00
TOTAL	\$	9,487,214.40

PREPARED BY: _____

Date: _____

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ROADWAY & DRAINAGE					
REMOVAL/PREP ROW	STA	25	\$ 5,000.00	\$ 125,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	25	\$ 36,000.00	\$ 900,000.00	
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	39600	\$ 65.00	\$ 2,574,000.00	600' long 66' wide Extra length for increased cost of high bridge over creek and RR
STORM SEWER SYSTEM	STA	25	\$ 20,000.00	\$ 500,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA	2	\$ 25,000.00	\$ 50,000.00	
SUBTOTAL ROADWAY & DRAINAGE				\$ 4,149,000.00	
UTILITIES					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
SUBTOTAL UTILITIES				\$ -	

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

PROJECT NO: 4-07
ROAD: Burney Road extension
LIMITS: FROM: Stadium Dr
TO: US 90A
LENGTH: FEET = 2500
MILES = 0.47

DESCRIPTION: 4-lane concrete boulevard, creek crossing, RR overpass and at-grade crossing and signal at US 90A, purchase of 120' ROW

COST SUMMARY

ENGINEERING	\$	676,484.00
RIGHT OF WAY	\$	1,640,000.00
CONST. PHASE SERVICES	\$	405,890.40
CONSTRUCTION	\$	6,764,840.00
TOTAL	\$	9,487,214.40

PREPARED BY: _____

Date: _____

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
MISCELLANEOUS					
SIGNALIZED INTERSECTION	EA	1	\$ 125,000.00	\$ 125,000.00	
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	25	\$ 600.00	\$ 15,000.00	
SWPPP	STA	25	\$ 2,000.00	\$ 50,000.00	
SUBTOTAL MISCELLANEOUS				\$ 190,000.00	
SPECIAL ITEMS					
RETAINING WALL	SF	15000	\$ 50.00	\$ 750,000.00	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	1.5	\$ 50,000.00	\$ 75,000.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
SUBTOTAL SPECIAL ITEMS				\$ 825,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 51,640.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 258,200.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,291,000.00	
CONSTRUCTION COST TOTAL				\$ 6,764,840.00	

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

PROJECT NO: 4-07
ROAD: Burney Road extension
LIMITS: FROM: Stadium Dr
TO: US 90A
LENGTH: FEET = 2500
MILES = 0.47

DESCRIPTION: 4-lane concrete boulevard, creek crossing, RR overpass and at-grade crossing and signal at US 90A, purchase of 120' ROW

COST SUMMARY

ENGINEERING	\$	676,484.00
RIGHT OF WAY	\$	1,640,000.00
CONST. PHASE SERVICES	\$	405,890.40
CONSTRUCTION	\$	6,764,840.00
TOTAL	\$	9,487,214.40

PREPARED BY: _____

Date: _____

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ENGINEERING					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 270,593.60	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 405,890.40	
SUBTOTAL ENGINEERING				\$ 676,484.00	
CONSTRUCTION PHASE SERVICES					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 135,296.80	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 270,593.60	
SUBTOTAL CONSTRUCTION PHASE SERVICES				\$ 405,890.40	
RIGHT OF WAY					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	300000	\$ 2.70	\$ 810,000.00	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA	1	\$ 500,000.00	\$ 500,000.00	RR crossing cost
MAPPING & ACQUISITION	PARCEL	3	\$ 10,000.00	\$ 30,000.00	
PIPELINE RELOCATION	EA	1	\$ 300,000.00	\$ 300,000.00	7" Enterprise @ 90A
SUBTOTAL RIGHT OF WAY				\$ 1,640,000.00	
PROJECT COST SUMMARY					
ENGINEERING				\$ 676,484.00	
RIGHT OF WAY				\$ 1,640,000.00	Land cost plus acquisition cost
CONSTRUCTION PHASE SERVICES				\$ 405,890.40	materials testing & constr. eng
CONSTRUCTION				\$ 6,764,840.00	
TOTAL PROJECT COST				\$ 9,487,214.40	

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

PROJECT NO: 4-10
ROAD: SH 6
LIMITS: FROM: Lexington Ave
TO: First Colony
LENGTH: FEET = 9000
MILES = 1.70

DESCRIPTION: Reconstruct 6500' of SH 6 to a 8-Lane Conc Curb & Gutter from Lexington to First Colony.
Reconstruct 2500' of West Bound SH 6 west of First Colony Blvd to the University Blvd Exit with a 8-Lane Conc Curb & Gutter.

COST SUMMARY

ENGINEERING	\$	862,268.20
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	517,360.92
CONSTRUCTION	\$	8,622,682.00
TOTAL	\$	10,002,311.12

PREPARED BY: _____

Date: 06/19/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ROADWAY & DRAINAGE					
REMOVAL/PREP ROW	STA	90.00	\$ 5,000.00	\$ 450,000.00	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	\$ -	
8-LANE DIVIDED C&G (104' F-F)	STA	19.38	\$ 72,000.00	\$ 1,395,000.00	65 Sta 1-Lane/ea dir + 25 Sta Add 1-Lane
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	8280	\$ 65.00	\$ 538,200.00	260' x 12' + 430' x 12'
STORM SEWER SYSTEM	STA	90.00	\$ 20,000.00	\$ 1,800,000.00	
CROSS CULVERT	EA	2	\$ 25,000.00	\$ 50,000.00	
OUTFALL	EA			\$ -	
SUBTOTAL ROADWAY & DRAINAGE				\$ 4,233,200.00	
UTILITIES					
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	\$ -	
SUBTOTAL UTILITIES				\$ -	

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

PROJECT NO: 4-10
ROAD: SH 6
LIMITS: FROM: Lexington Ave
TO: First Colony
LENGTH: FEET = 9000
MILES = 1.70

DESCRIPTION: Reconstruct 6500' of SH 6 to a 8-Lane Conc Curb & Gutter from Lexington to First Colony.
Reconstruct 2500' of West Bound SH 6 west of First Colony Blvd to the University Blvd Exit with a 8-Lane Conc Curb & Gutter.

COST SUMMARY

ENGINEERING	\$	862,268.20
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	517,360.92
CONSTRUCTION	\$	8,622,682.00
TOTAL	\$	10,002,311.12

PREPARED BY: _____

Date: 06/19/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
MISCELLANEOUS					
SIGNALIZED INTERSECTION	EA	7	\$ 125,000.00	\$ 875,000.00	
ROADWAY ILLUMINATION	MI	1.7	\$ 200,000.00	\$ 340,000.00	
SIGNING & PAVEMENT MARKINGS	STA	90	\$ 600.00	\$ 54,000.00	
BLOCK SOD	SY		\$ 5.00	\$ -	
SWPPP	STA	90	\$ 2,000.00	\$ 180,000.00	
SUBTOTAL MISCELLANEOUS				\$ 1,449,000.00	
SPECIAL ITEMS					
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	90	\$ 10,000.00	\$ 900,000.00	
SIDEWALK	STA		\$ 6,000.00	\$ -	
SUBTOTAL SPECIAL ITEMS				\$ 900,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 65,822.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 329,110.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 1,645,550.00	
CONSTRUCTION COST TOTAL				\$ 8,622,682.00	

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

PROJECT NO: 4-10
ROAD: SH 6
LIMITS: FROM: Lexington Ave
TO: First Colony
LENGTH: FEET = 9000
MILES = 1.70

DESCRIPTION: Reconstruct 6500' of SH 6 to a 8-Lane Conc Curb & Gutter from Lexington to First Colony.
Reconstruct 2500' of West Bound SH 6 west of First Colony Blvd to the University Blvd Exit with a 8-Lane Conc Curb & Gutter.

COST SUMMARY

ENGINEERING	\$	862,268.20
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	517,360.92
CONSTRUCTION	\$	8,622,682.00
TOTAL	\$	10,002,311.12

PREPARED BY: _____

Date: 06/19/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ENGINEERING					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 344,907.28	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 517,360.92	
SUBTOTAL ENGINEERING				\$ 862,268.20	
CONSTRUCTION PHASE SERVICES					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 172,453.64	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 344,907.28	
SUBTOTAL CONSTRUCTION PHASE SERVICES				\$ 517,360.92	
RIGHT OF WAY					
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			\$ -	
SUBTOTAL RIGHT OF WAY				\$ -	
PROJECT COST SUMMARY					
ENGINEERING				\$ 862,268.20	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 517,360.92	
CONSTRUCTION				\$ 8,622,682.00	
TOTAL PROJECT COST				\$ 10,002,311.12	Land cost plus acquisition cost materials testing & constr. eng

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

PROJECT NO: 4-09
ROAD: University Boulevard
LIMITS: FROM: Lexington
TO: Telfair
LENGTH: FEET = 3000
MILES = 0.57

DESCRIPTION:

Addition of two lanes in median to create six-lane road

COST SUMMARY

ENGINEERING	\$	134,257.50
RIGHT OF WAY	\$	600,000.00
CONST. PHASE SERVICES	\$	80,554.50
CONSTRUCTION	\$	1,342,575.00
TOTAL	\$	2,157,387.00

PREPARED BY: SPI - MCD

Date: 06/13/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ROADWAY & DRAINAGE					
REMOVAL/PREP ROW	STA	30	\$ 5,000.00	\$ 150,000.00	Paving items are inclusive of subgrade, base, surface, and earthwork
CONCRETE PAVEMENT					
3-LANE C&G (38' F-F)	STA		\$ 25,000.00	\$ -	
4-LANE DIVIDED C&G (52' F-F)	STA	15	\$ 36,000.00	\$ 540,000.00	
5-LANE C&G (62' F-F)	STA		\$ 40,000.00	\$ -	
ASPHALT PAVEMENT					
NEW CONSTRUCTION	SY		\$ 85.00	\$ -	
REHABILITATION/OVERLAY	SY		\$ 15.00	\$ -	
CHIP SEAL & WIDEN	LN-MI		\$ 300,000.00	\$ -	
BRIDGE	SF		\$ 65.00	\$ -	
STORM SEWER SYSTEM	STA	3	\$ 20,000.00	\$ 60,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
SUBTOTAL ROADWAY & DRAINAGE				\$ 750,000.00	
UTILITIES					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
SUBTOTAL UTILITIES				\$ -	

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

PROJECT NO: 4-09
ROAD: University Boulevard
LIMITS: FROM: Lexington
TO: Telfair
LENGTH: FEET = 3000
MILES = 0.57

DESCRIPTION:

Addition of two lanes in median to create six-lane road

COST SUMMARY

ENGINEERING	\$	134,257.50
RIGHT OF WAY	\$	600,000.00
CONST. PHASE SERVICES	\$	80,554.50
CONSTRUCTION	\$	1,342,575.00
TOTAL	\$	2,157,387.00

PREPARED BY: SPI - MCD

Date: 06/13/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
MISCELLANEOUS					
SIGNALIZED INTERSECTION	EA	1	\$ 125,000.00	\$ 125,000.00	Modifications at Lexington, Telfair
ROADWAY ILLUMINATION	MI		\$ 200,000.00	\$ -	
SIGNING & PAVEMENT MARKINGS	STA	30	\$ 600.00	\$ 18,000.00	
SWPPP	STA	30	\$ 2,000.00	\$ 60,000.00	
SUBTOTAL MISCELLANEOUS				\$ 203,000.00	
SPECIAL ITEMS					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	0.83	\$ 50,000.00	\$ 41,500.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
SUBTOTAL SPECIAL ITEMS				\$ 41,500.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	5%	\$ 49,725.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 49,725.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 248,625.00	
CONSTRUCTION COST TOTAL				\$ 1,342,575.00	

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

PROJECT NO: 4-09
ROAD: University Boulevard
LIMITS: FROM: Lexington
TO: Telfair
LENGTH: FEET = 3000
MILES = 0.57

DESCRIPTION: Addition of two lanes in median to create six-lane road

COST SUMMARY

ENGINEERING	\$	134,257.50
RIGHT OF WAY	\$	600,000.00
CONST. PHASE SERVICES	\$	80,554.50
CONSTRUCTION	\$	1,342,575.00
TOTAL	\$	2,157,387.00

PREPARED BY: SPI - MCD

Date: 06/13/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ENGINEERING					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 53,703.00	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 80,554.50	
SUBTOTAL ENGINEERING				\$ 134,257.50	
CONSTRUCTION PHASE SERVICES					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 26,851.50	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 53,703.00	
SUBTOTAL CONSTRUCTION PHASE SERVICES				\$ 80,554.50	
RIGHT OF WAY					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF		\$ 8.70	\$ -	
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL		\$ 10,000.00	\$ -	
PIPELINE RELOCATION	EA	1	\$ 600,000.00	\$ 600,000.00	13" HPL
SUBTOTAL RIGHT OF WAY				\$ 600,000.00	
PROJECT COST SUMMARY					
ENGINEERING				\$ 134,257.50	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 600,000.00	
CONSTRUCTION PHASE SERVICES				\$ 80,554.50	
CONSTRUCTION				\$ 1,342,575.00	
TOTAL PROJECT COST				\$ 2,157,387.00	

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

PROJECT NO: 4-11
ROAD: Williams Trace
LIMITS: FROM: US 59
TO: Lexington Ave
LENGTH: FEET = 3000
MILES = 0.57

DESCRIPTION: Reconstruct to a 6-Lane Conc Curb & Gutter by adding 1-Lane in each direction.

COST SUMMARY

ENGINEERING	\$	360,041.71
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	216,025.03
CONSTRUCTION	\$	3,600,417.10
TOTAL	\$	4,176,483.84

PREPARED BY: _____

Date: 06/19/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ROADWAY & DRAINAGE					
REMOVAL/PREP ROW	STA	30.00	\$ 5,000.00	\$ 150,000.00	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	\$ -	
6-LANE DIVIDED C&G (76' F-F)	STA	10.00	\$ 54,000.00	\$ 540,000.00	30 Sta 1-Lane/ea dir
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	6864	\$ 65.00	\$ 446,160.00	2-286' x 12'
STORM SEWER SYSTEM	STA	30.00	\$ 20,000.00	\$ 600,000.00	
CROSS CULVERT	EA	2	\$ 25,000.00	\$ 50,000.00	
OUTFALL	EA			\$ -	
SUBTOTAL ROADWAY & DRAINAGE				\$ 1,786,160.00	
UTILITIES					
RELOCATE WATER DISTRIBUTION	STA	3.00	\$ 1,500.00	\$ 4,500.00	10% of the project length
RELOCATE WATER TRANSMISSION	STA	12.00	\$ 3,500.00	\$ 42,000.00	40% of the project length
RELOCATE SANITARY SEWER	STA	7.50	\$ 6,500.00	\$ 48,750.00	25% of the project length
RELOCATE FORCE MAIN	STA		\$ 6,500.00	\$ -	
SUBTOTAL UTILITIES				\$ 95,250.00	

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

PROJECT NO: 4-11
ROAD: Williams Trace
LIMITS: FROM: US 59
TO: Lexington Ave
LENGTH: FEET = 3000
MILES = 0.57

DESCRIPTION: Reconstruct to a 6-Lane Conc Curb & Gutter by
adding 1-Lane in each direction.

COST SUMMARY

ENGINEERING	\$	360,041.71
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	216,025.03
CONSTRUCTION	\$	3,600,417.10
TOTAL	\$	4,176,483.84

PREPARED BY: _____

Date: 06/19/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
MISCELLANEOUS					
SIGNALIZED INTERSECTION	EA	3	\$ 125,000.00	\$ 375,000.00	
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	
SUBTOTAL MISCELLANEOUS				\$ 567,000.00	
SPECIAL ITEMS					
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	\$ -	
SUBTOTAL SPECIAL ITEMS				\$ 300,000.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	1%	\$ 27,484.10	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 137,420.50	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 687,102.50	
CONSTRUCTION COST TOTAL				\$ 3,600,417.10	

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

PROJECT NO: 4-11
ROAD: Williams Trace
LIMITS: FROM: US 59
TO: Lexington Ave
LENGTH: FEET = 3000
MILES = 0.57

DESCRIPTION: Reconstruct to a 6-Lane Conc Curb & Gutter by adding 1-Lane in each direction.

COST SUMMARY

ENGINEERING	\$	360,041.71
RIGHT OF WAY	\$	-
CONST. PHASE SERVICES	\$	216,025.03
CONSTRUCTION	\$	3,600,417.10
TOTAL	\$	4,176,483.84

PREPARED BY: _____

Date: 06/19/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ENGINEERING					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 144,016.68	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 216,025.03	
SUBTOTAL ENGINEERING				\$ 360,041.71	
CONSTRUCTION PHASE SERVICES					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 72,008.34	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 144,016.68	
SUBTOTAL CONSTRUCTION PHASE SERVICES				\$ 216,025.03	
RIGHT OF WAY					
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			\$ -	
SUBTOTAL RIGHT OF WAY				\$ -	
PROJECT COST SUMMARY					
ENGINEERING				\$ 360,041.71	
RIGHT OF WAY				\$ -	
CONSTRUCTION PHASE SERVICES				\$ 216,025.03	
CONSTRUCTION				\$ 3,600,417.10	
TOTAL PROJECT COST				\$ 4,176,483.84	Land cost plus acquisition cost materials testing & constr. eng

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

PROJECT NO: 4-12
ROAD: Scenic Rivers
LIMITS: FROM: Commonwealth
TO: LJ Parkway
LENGTH: FEET = 4200
MILES = 0.80

DESCRIPTION: Need COSL info - assuming 4-lane divided concrete C&G w/ realignment to match LJ Pkwy; 120' ROW purchase

COST SUMMARY

ENGINEERING	\$	389,624.40
RIGHT OF WAY	\$	3,326,000.00
CONST. PHASE SERVICES	\$	233,774.64
CONSTRUCTION	\$	3,896,244.00
TOTAL	\$	7,845,643.04

PREPARED BY: SPI - MCD

Date: 06/21/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ROADWAY & DRAINAGE					
REMOVAL/PREP ROW	STA	42	\$ 5,000.00	\$ 210,000.00	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	42	\$ 36,000.00	\$ 1,512,000.00	
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	42	\$ 20,000.00	\$ 840,000.00	
CROSS CULVERT	EA		\$ 25,000.00	\$ -	
OUTFALL	EA			\$ -	
SUBTOTAL ROADWAY & DRAINAGE				\$ 2,562,000.00	
UTILITIES					
RELOCATE WATER DISTRIBUTION	STA		\$ 150.00	\$ -	
RELOCATE WATER TRANSMISSION	STA		\$ 350.00	\$ -	
RELOCATE SANITARY SEWER	STA		\$ 650.00	\$ -	
RELOCATE FORCE MAIN	STA		\$ 650.00	\$ -	
SUBTOTAL UTILITIES				\$ -	

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

PROJECT NO: 4-12
ROAD: Scenic Rivers
LIMITS: FROM: Commonwealth
TO: LJ Parkway
LENGTH: FEET = 4200
MILES = 0.80

DESCRIPTION: Need COSL info - assuming 4-lane divided concrete C&G w/ realignment to match LJ Pkwy; 120' ROW purchase

COST SUMMARY

ENGINEERING	\$	389,624.40
RIGHT OF WAY	\$	3,326,000.00
CONST. PHASE SERVICES	\$	233,774.64
CONSTRUCTION	\$	3,896,244.00
TOTAL	\$	7,845,643.04

PREPARED BY: SPI - MCD

Date: 06/21/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
MISCELLANEOUS					
SIGNALIZED INTERSECTION	EA		\$ 125,000.00	\$ -	
ROADWAY ILLUMINATION	MI	0.8	\$ 200,000.00	\$ 160,000.00	
SIGNING & PAVEMENT MARKINGS	STA	42	\$ 600.00	\$ 25,200.00	
SWPPP	STA	42	\$ 2,000.00	\$ 84,000.00	
SUBTOTAL MISCELLANEOUS				\$ 269,200.00	
SPECIAL ITEMS					
RETAINING WALL	SF		\$ 50.00	\$ -	
PUMP STATION	EA		\$ 20,000.00	\$ -	
DETENTION POND	AC-FT	2.41	\$ 50,000.00	\$ 120,500.00	
IN-LINE DETENTION	AC-FT		\$ 300,000.00	\$ -	
LANDSCAPING	STA		\$ 10,000.00	\$ -	
SUBTOTAL SPECIAL ITEMS				\$ 120,500.00	
TRAFFIC CONTROL PLAN (1%-5% CONST ITEMS)	LS	1	2%	\$ 59,034.00	
MOBILIZATION (5%-10% CONST ITEMS)	LS	1	5%	\$ 147,585.00	
CONTINGENCY (25% CONST ITEMS)	LS	1	25%	\$ 737,925.00	
CONSTRUCTION COST TOTAL				\$ 3,896,244.00	

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

PROJECT NO: 4-12
ROAD: Scenic Rivers
LIMITS: FROM: Commonwealth
TO: LJ Parkway
LENGTH: FEET = 4200
MILES = 0.80

DESCRIPTION: Need COSL info - assuming 4-lane divided concrete C&G w/ realignment to match LJ Pkwy; 120' ROW purchase

COST SUMMARY

ENGINEERING	\$	389,624.40
RIGHT OF WAY	\$	3,326,000.00
CONST. PHASE SERVICES	\$	233,774.64
CONSTRUCTION	\$	3,896,244.00
TOTAL	\$	7,845,643.04

PREPARED BY: SPI - MCD

Date: 06/21/13

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	COMMENTS/ ASSUMPTIONS
ENGINEERING					
PREL ENG REPORT (4% CONST COST)	LS	1	4%	\$ 155,849.76	
PS&E DOCUMENTS (6% CONST COST)	LS	1	6%	\$ 233,774.64	
SUBTOTAL ENGINEERING				\$ 389,624.40	
CONSTRUCTION PHASE SERVICES					
CONST PHASE SERVICES (2% CONST)	LS	1	2%	\$ 77,924.88	
LABORATORY TESTING (4% CONST)	LS	1	4%	\$ 155,849.76	
SUBTOTAL CONSTRUCTION PHASE SERVICES				\$ 233,774.64	
RIGHT OF WAY					
UNDEVELOPED (\$2.50 - \$4.00 / SF)	SF	504000	\$ 6.50	\$ 3,276,000.00	Unit cost and need guess
HARD CORNERS (\$10.00 - \$20.00 / SF)	SF		\$ 10.00	\$ -	
STRUCTURES	EA			\$ -	
MAPPING & ACQUISITION	PARCEL	5	\$ 10,000.00	\$ 50,000.00	Guess based on assumed alignment
PIPELINE RELOCATION	EA				Unknown
SUBTOTAL RIGHT OF WAY				\$ 3,326,000.00	
PROJECT COST SUMMARY					
ENGINEERING				\$ 389,624.40	Land cost plus acquisition cost materials testing & constr. eng
RIGHT OF WAY				\$ 3,326,000.00	
CONSTRUCTION PHASE SERVICES				\$ 233,774.64	
CONSTRUCTION				\$ 3,896,244.00	
TOTAL PROJECT COST				\$ 7,845,643.04	