1. Northpark Drive & Woodridge Parkway/Hidden Pines Drive

	1. Northpark Drive & Woodridge Parkway/Hidden Pines Drive							
Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)		
GENER	AL CONS	TRUCTION ITEMS						
1	01502	Mobilization	LS	1	\$14,099.46	\$14,099.46		
2	01555	Traffic Control and Regulation	LS	1	\$60,000.00	\$60,000.00		
3	01555	Flagmen	LS	1	\$30,000.00	\$30,000.00		
4	01555	(Install) Low Profile Concrete Barriers	LF	250	\$53.00	\$13,250.00		
5	01555	(Relocate) Low Profile Concrete Barriers	LF	250	\$5.25	\$1,312.50		
6	01555	(Remove) Low Profile Concrete Barriers	LF	250	\$8.25	\$2,062.50		
7	01575	Stabilized Construction Entrance/Exit	EA	2	\$2,500.00	\$5,000.00		
8	02893	Project Identification Signs	EA	2	\$750.00	\$1,500.00		
		Sul	o-Total GENEI	RAL CONST	RUCTION ITEMS	\$127,224.46		
PAVING	ITEMS							
9	02221	Remove/Dispose Reinforced Concrete Surface/ with or without Base	SY	306	\$4.00	\$1,222.22		
10	02752S	Saw Cutting	LF	0	\$6.00	\$0.00		
11	02315	Roadway Excavation with or without subgrade	CY	51	\$5.00	\$254.63		
12	02336	Lime Stabilized Subgrade 8-inch thick	SY	417	\$3.00	\$1,250.00		
13	02336	6% Lime Treatment for Stabilized Subgrade (Dry weight) (36-lbs/SY/per 8-inch depth)	TON	8	\$120.00	\$994.95		
14	02751	Reinforced Concrete Pavement 10-inch thick	SY	417	\$80.00	\$33,333.33		
15	TxDOT SS3230	Fast Track Reinforced Concrete Pavement 13-inch thick	SY	0	\$110.00	\$0.00		
16	02752	Street Pavment Expansion Joint with Load Transfer Device	LF	103	\$6.00	\$618.75		
17	02752	Horizontal 24" Dowels	EA	125	\$3.50	\$437.50		
18	02771	Concrete Rail Road Header	LF	0	\$20.00	\$0.00		
19	02931	Traffic Signals (per intersection)	EA	1	\$200,000.00	\$200,000.00		
20	02771	6-Inch Concrete Curb	LF	250	\$5.00	\$1,250.00		
				Sub-Tota	I PAVING ITEMS	\$239,361.39		
				Total B	ASE UNIT PRICE	\$366,585.84		
EXTRA	WORK ITI	EMS						
21	02318	Excavate Around Obstructions	CY	100	\$10.00	\$1,000.00		
22	02318	Extra Hand Excavation	CY	100	\$15.00	\$1,500.00		
23	02318	Extra Machine Excavation	CY	100	\$10.00	\$1,000.00		
24	02318	Extra Placement of Backfill Material	CY	100	\$15.00	\$1,500.00		
25	02318	Extra Placement of Granular Fill	CY	100	\$15.00	\$1,500.00		
26	02318	Extra Placement of Select Backfill	CY	100	\$10.00	\$1,000.00		

Lake Houston/Kingwood Area Mobility Study **Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs**

Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$
27	02318/ 02321	Extra Cement Stabilized Sand	CY	100	\$25.00	\$2,500.00
28	02501	Extra Water Line Fittings	TON	1	\$1,000.00	\$1,000.00
			Su	b-Total EXT	RA WORK ITEMS	\$11,000.00
ASH A	LLOWAN	CE ITEMS				
29	01110	Street Cut Permit	CA	1	\$7,500.00	\$7,500.00
30	01110	Lane Closure Permit	CA	1	\$6,000.00	\$6,000.00
31	01111	Sidewalk Closure Permit	CA	1	\$1,080.00	\$1,080.00
32	01410/ 01570	TPDES NOI/NOT	CA	1	\$375.00	\$375.00
33	02775	TDLR TAS Permit - Inspection	CA	1	\$1,050.00	\$1,050.00
34	01110/ TxDOT SS6834	PCMS: Full LED Matrix, 3 Line (8 character per line)	CA	1	\$20,000.00	\$20,000.00
			Sub-Tota	al CASH ALL	OWANCE ITEMS	\$36,005.00
					Total ITEMS	\$413,590.84
			CONT	INGENCIES	25%	\$103,397.71
			TOTAL PRO	JECT CONS	TRUCTION COST	\$516,988.55

Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

2. Northpark Drive & West Lake Houston Parkway

		2. Northpark Drive & West Lake Houst	ton Parkv	vay		
Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)
GENER.	AL CONS	TRUCTION ITEMS				
1	01502	Mobilization	LS	1	\$6,099.46	\$6,099.46
2	01555	Traffic Control and Regulation	LS	1	\$60,000.00	\$60,000.00
3	01555	Flagmen	LS	1	\$30,000.00	\$30,000.00
4	01555	(Install) Low Profile Concrete Barriers	LF	250	\$53.00	\$13,250.00
5	01555	(Relocate) Low Profile Concrete Barriers	LF	250	\$5.25	\$1,312.50
6	01555	(Remove) Low Profile Concrete Barriers	LF	250	\$8.25	\$2,062.50
7	01575	Stabilized Construction Entrance/Exit	EA	2	\$2,500.00	\$5,000.00
8	02893	Project Identification Signs	EA	2	\$750.00	\$1,500.00
		Sul	b-Total GENE	RAL CONST	RUCTION ITEMS	\$119,224.46
PAVING	ITEMS					
9	02221	Remove/Dispose Reinforced Concrete Surface/ with or without Base	SY	306	\$4.00	\$1,222.22
10	02752S	Saw Cutting	LF	0	\$6.00	\$0.00
11	02315	Roadway Excavation with or without subgrade	CY	51	\$5.00	\$254.63
12	02336	Lime Stabilized Subgrade 8-inch thick	SY	417	\$3.00	\$1,250.00
13	02336	6% Lime Treatment for Stabilized Subgrade (Dry weight) (36-lbs/SY/per 8-inch depth)	TON	8	\$120.00	\$994.95
14	02751	Reinforced Concrete Pavement 10-inch thick	SY	417	\$80.00	\$33,333.33
15	TxDOT SS3230	Fast Track Reinforced Concrete Pavement 13-inch thick	SY	0	\$110.00	\$0.00
16	02752	Street Pavment Expansion Joint with Load Transfer Device	LF	103	\$6.00	\$618.75
17	02752	Horizontal 24" Dowels	EA	125	\$3.50	\$437.50
18	02771	Concrete Rail Road Header	LF	0	\$20.00	\$0.00
19	02931	Traffic Signals (per intersection)	EA	0	\$200,000.00	\$0.00
20	02771	6-Inch Concrete Curb	LF	250	\$5.00	\$1,250.00
				Sub-Tota	I PAVING ITEMS	\$39,361.39
				Total B	ASE UNIT PRICE	\$158,585.84
EXTRA	WORK ITI	EMS				
21	02318	Excavate Around Obstructions	CY	100	\$10.00	\$1,000.00
22	02318	Extra Hand Excavation	CY	100	\$15.00	\$1,500.00
23	02318	Extra Machine Excavation	CY	100	\$10.00	\$1,000.00
24	02318	Extra Placement of Backfill Material	CY	100	\$15.00	\$1,500.00
25	02318	Extra Placement of Granular Fill	CY	100	\$15.00	\$1,500.00
						

Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

	2. Northpark Drive & West Lake Houston Parkway								
Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)			
27	02318/ 02321	Extra Cement Stabilized Sand	CY	100	\$25.00	\$2,500.00			
28	02501	Extra Water Line Fittings	TON	1	\$1,000.00	\$1,000.00			
			Su	b-Total EXTI	RA WORK ITEMS	\$11,000.00			
		CE ITEMS							
29		Street Cut Permit	CA	1	\$7,500.00	\$7,500.00			
30	01110	Lane Closure Permit	CA	1	\$6,000.00	\$6,000.00			
31	01111	Sidewalk Closure Permit	CA	1	\$1,080.00	\$1,080.00			
32	01410/ 01570	TPDES NOI/NOT	CA	1	\$375.00	\$375.00			
33	02775	TDLR TAS Permit - Inspection	CA	1	\$1,050.00	\$1,050.00			
34	01110/ TxDOT SS6834	PCMS: Full LED Matrix, 3 Line (8 character per line)	CA	1	\$20,000.00	\$20,000.00			
			Sub-Tota	I CASH ALL	OWANCE ITEMS	\$36,005.00			
					Total ITEMS	\$205,590.84			
			CONT	INGENCIES	25%	\$51,397.71			
			TOTAL PRO	JECT CONST	TRUCTION COST	\$256,988.55			

Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

3. Kingwood Drive & Chestnut Ridge Road

		3. Kingwood Drive & Chestnut Ric	lge Road			
Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)
GENER.	AL CONS	TRUCTION ITEMS				
1	01502	Mobilization	LS	1	\$8,398.91	\$8,398.91
2	01555	Traffic Control and Regulation	LS	1	\$60,000.00	\$60,000.00
3	01555	Flagmen	LS	1	\$30,000.00	\$30,000.00
4	01555	(Install) Low Profile Concrete Barriers	LF	500	\$53.00	\$26,500.00
5	01555	(Relocate) Low Profile Concrete Barriers	LF	500	\$5.25	\$2,625.00
6	01555	(Remove) Low Profile Concrete Barriers	LF	500	\$8.25	\$4,125.00
7	01575	Stabilized Construction Entrance/Exit	EA	2	\$2,500.00	\$5,000.00
8	02893	Project Identification Signs	EA	4	\$750.00	\$3,000.00
		Su	b-Total GENE	RAL CONST	RUCTION ITEMS	\$139,648.91
PAVING	ITEMS					
9	02221	Remove/Dispose Reinforced Concrete Surface/ with or without Base	SY	611	\$4.00	\$2,444.44
10	02752S	Saw Cutting	LF	0	\$6.00	\$0.00
11	02315	Roadway Excavation with or without subgrade	CY	102	\$5.00	\$509.26
12	02336	Lime Stabilized Subgrade 8-inch thick	SY	833	\$3.00	\$2,500.00
13	02336	6% Lime Treatment for Stabilized Subgrade (Dry weight) (36-lbs/SY/per 8-inch depth)	TON	17	\$120.00	\$1,989.90
14	02751	Reinforced Concrete Pavement 10-inch thick	SY	833	\$80.00	\$66,666.67
15	TxDOT SS3230	Fast Track Reinforced Concrete Pavement 13-inch thick	SY	0	\$110.00	\$0.00
16	02752	Street Pavment Expansion Joint with Load Transfer Device	LF	206	\$6.00	\$1,237.50
17	02752	Horizontal 24" Dowels	EA	250	\$3.50	\$875.00
18	02771	Concrete Rail Road Header	LF	0	\$20.00	\$0.00
19	02931	Traffic Signals (per intersection)	EA	0	\$200,000.00	\$0.00
20	02771	6-Inch Concrete Curb	LF	500	\$5.00	\$2,500.00
				Sub-Tota	I PAVING ITEMS	\$78,722.77
				Total B	ASE UNIT PRICE	\$218,371.68
				. ctai B	0	#210,011100
EXTRA	WORK ITE	EMS				
21	02318	Excavate Around Obstructions	CY	100	\$10.00	\$1,000.00
22	02318	Extra Hand Excavation	CY	100	\$15.00	\$1,500.00
23	02318	Extra Machine Excavation	CY	100	\$10.00	\$1,000.00
24	02318	Extra Placement of Backfill Material	CY	100	\$15.00	\$1,500.00
25	02318	Extra Placement of Granular Fill	CY	100	\$15.00	\$1,500.00
26	02318	Extra Placement of Select Backfill	CY	100	\$10.00	\$1,000.00

Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

3. Kingwood Drive & Chestnut Ridge Road

Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)
27	02318/ 02321	Extra Cement Stabilized Sand	CY	100	\$25.00	\$2,500.00
28	02501	Extra Water Line Fittings	TON	1	\$1,000.00	\$1,000.00
			Sul	b-Total EXT	RA WORK ITEMS	\$11,000.00
ASH A	LLOWAN	CE ITEMS				
29	01110	Street Cut Permit	CA	1	\$7,500.00	\$7,500.00
30	01110	Lane Closure Permit	CA	1	\$6,000.00	\$6,000.00
31	01111	Sidewalk Closure Permit	CA	1	\$1,080.00	\$1,080.00
32	01410/ 01570	TPDES NOI/NOT	CA	1	\$375.00	\$375.00
33	02775	TDLR TAS Permit - Inspection	CA	1	\$1,050.00	\$1,050.00
34	01110/ TxDOT SS6834	PCMS: Full LED Matrix, 3 Line (8 character per line)	CA	1	\$20,000.00	\$20,000.00
			Sub-Tota	I CASH ALL	OWANCE ITEMS	\$36,005.00
					Total ITEMS	\$265,376.68
			CONT	INGENCIES	25%	\$66,344.17
			TOTAL PRO	JECT CONS	TRUCTION COST	\$331,720.85

4. West Lake Houston Parkway & Kings Crossing Drive

	4. West Lake Houston Parkway & Kings Crossing Drive									
Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)				
SENER	AL CONS	TRUCTION ITEMS								
1	01502	Mobilization	LS	1	\$6,099.46	\$6,099.46				
2	01555	Traffic Control and Regulation	LS	1	\$60,000.00	\$60,000.00				
3	01555	Flagmen	LS	1	\$30,000.00	\$30,000.00				
4	01555	(Install) Low Profile Concrete Barriers	LF	250	\$53.00	\$13,250.00				
5	01555	(Relocate) Low Profile Concrete Barriers	LF	250	\$5.25	\$1,312.50				
6	01555	(Remove) Low Profile Concrete Barriers	LF	250	\$8.25	\$2,062.50				
7	01575	Stabilized Construction Entrance/Exit	EA	2	\$2,500.00	\$5,000.00				
8	02893	Project Identification Signs	EA	2	\$750.00	\$1,500.00				
		Su	b-Total GENE	RAL CONST	RUCTION ITEMS	\$119,224.46				
AVING	ITEMS									
9	02221	Remove/Dispose Reinforced Concrete Surface/ with or without Base	SY	306	\$4.00	\$1,222.22				
10	02752S	Saw Cutting	LF	0	\$6.00	\$0.00				
11	02315	Roadway Excavation with or without subgrade	CY	51	\$5.00	\$254.63				
12	02336	Lime Stabilized Subgrade 8-inch thick	SY	417	\$3.00	\$1,250.00				
13	02336	6% Lime Treatment for Stabilized Subgrade (Dry weight) (36-lbs/SY/per 8-inch depth)	TON	8	\$120.00	\$994.95				
14	02751	Reinforced Concrete Pavement 10-inch thick	SY	417	\$80.00	\$33,333.33				
15	TxDOT SS3230	Fast Track Reinforced Concrete Pavement 13-inch thick	SY	0	\$110.00	\$0.00				
16	02752	Street Pavment Expansion Joint with Load Transfer Device	LF	103	\$6.00	\$618.75				
17	02752	Horizontal 24" Dowels	EA	125	\$3.50	\$437.50				
18	02771	Concrete Rail Road Header	LF	0	\$20.00	\$0.00				
19	02931	Traffic Signals (per intersection)	EA	0	\$200,000.00	\$0.00				
20	02771	6-Inch Concrete Curb	LF	250	\$5.00	\$1,250.00				
				Sub-Tota	I PAVING ITEMS	\$39,361.39				
				Total B	ASE UNIT PRICE	\$158,585.84				
					,-	. ,				
XTRA	WORK ITI	EMS								
21	02318	Excavate Around Obstructions	CY	100	\$10.00	\$1,000.00				
22	02318	Extra Hand Excavation	CY	100	\$15.00	\$1,500.00				
23	02318	Extra Machine Excavation	CY	100	\$10.00	\$1,000.00				
24	02318	Extra Placement of Backfill Material	CY	100	\$15.00	\$1,500.00				
25	02318	Extra Placement of Granular Fill	CY	100	\$15.00	\$1,500.00				
26	02318	Extra Placement of Select Backfill	CY	100	\$10.00	\$1,000.00				

Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

4. West Lake Houston Parkway & Kings Crossing Drive

Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$
27	02318/ 02321	Extra Cement Stabilized Sand	CY	100	\$25.00	\$2,500.00
28	02501	Extra Water Line Fittings	TON	1	\$1,000.00	\$1,000.00
			Su	b-Total EXT	RA WORK ITEMS	\$11,000.00
ASH A	LLOWAN	CE ITEMS				
29	01110	Street Cut Permit	CA	1	\$7,500.00	\$7,500.00
30	01110	Lane Closure Permit	CA	1	\$6,000.00	\$6,000.00
31	01111	Sidewalk Closure Permit	CA	1	\$1,080.00	\$1,080.00
32	01410/ 01570	TPDES NOI/NOT	CA	1	\$375.00	\$375.00
33	02775	TDLR TAS Permit - Inspection	CA	1	\$1,050.00	\$1,050.00
34	01110/ TxDOT SS6834	PCMS: Full LED Matrix, 3 Line (8 character per line)	CA	1	\$20,000.00	\$20,000.00
			Sub-Tot	al CASH ALL	OWANCE ITEMS	\$36,005.00
					Total ITEMS	\$205,590.84
			CONT	INGENCIES	25%	\$51,397.71
			TOTAL PRO	JECT CONS	TRUCTION COST	\$256,988.55

Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

5. Kingwood Drive & Sorters Road

		5. Kingwood Drive & Sorters I	Road			
Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)
GENER.	AL CONS	FRUCTION ITEMS				
1	01502	Mobilization	LS	1	\$6,099.46	\$6,099.46
2	01555	Traffic Control and Regulation	LS	1	\$60,000.00	\$60,000.00
3	01555	Flagmen	LS	1	\$30,000.00	\$30,000.00
4	01555	(Install) Low Profile Concrete Barriers	LF	250	\$53.00	\$13,250.00
5	01555	(Relocate) Low Profile Concrete Barriers	LF	250	\$5.25	\$1,312.50
6	01555	(Remove) Low Profile Concrete Barriers	LF	250	\$8.25	\$2,062.50
7	01575	Stabilized Construction Entrance/Exit	EA	2	\$2,500.00	\$5,000.00
8	02893	Project Identification Signs	EA	2	\$750.00	\$1,500.00
		Su	b-Total GENE	RAL CONST	RUCTION ITEMS	\$119,224.46
PAVING	ITEMS					
9	02221	Remove/Dispose Reinforced Concrete Surface/ with or without Base	SY	306	\$4.00	\$1,222.22
10	02752S	Saw Cutting	LF	0	\$6.00	\$0.00
11	02315	Roadway Excavation with or without subgrade	CY	51	\$5.00	\$254.63
12	02336	Lime Stabilized Subgrade 8-inch thick	SY	417	\$3.00	\$1,250.00
13	02336	6% Lime Treatment for Stabilized Subgrade (Dry weight) (36-lbs/SY/per 8-inch depth)	TON	8	\$120.00	\$994.95
14	02751	Reinforced Concrete Pavement 10-inch thick	SY	417	\$80.00	\$33,333.33
15	TxDOT SS3230	Fast Track Reinforced Concrete Pavement 13-inch thick	SY	0	\$110.00	\$0.00
16	02752	Street Pavment Expansion Joint with Load Transfer Device	LF	103	\$6.00	\$618.75
17	02752	Horizontal 24" Dowels	EA	125	\$3.50	\$437.50
18	02771	Concrete Rail Road Header	LF	0	\$20.00	\$0.00
19	02931	Traffic Signals (per intersection)	EA	0	\$200,000.00	\$0.00
20	02771	6-Inch Concrete Curb	LF	250	\$5.00	\$1,250.00
				Sub-Tota	I PAVING ITEMS	\$39,361.39
				Total B	ASE UNIT PRICE	\$158,585.84
_	WORK ITE					
21	02318	Excavate Around Obstructions	CY	100	\$10.00	\$1,000.00
22	02318	Extra Hand Excavation	CY	100	\$15.00	\$1,500.00
23	02318	Extra Machine Excavation	CY	100	\$10.00	\$1,000.00
24	02318	Extra Placement of Backfill Material	CY	100	\$15.00	\$1,500.00
25	02318	Extra Placement of Granular Fill	CY	100	\$15.00	\$1,500.00
26	02318	Extra Placement of Select Backfill	CY	100	\$10.00	\$1,000.00

Lake Houston/Kingwood Area Mobility Study **Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs**

Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$
27	02318/ 02321	Extra Cement Stabilized Sand	CY	100	\$25.00	\$2,500.00
28	02501	Extra Water Line Fittings	TON	1	\$1,000.00	\$1,000.00
			Su	b-Total EXT	RA WORK ITEMS	\$11,000.00
ASH A	LLOWAN	CE ITEMS				
29	01110	Street Cut Permit	CA	1	\$7,500.00	\$7,500.00
30	01110	Lane Closure Permit	CA	1	\$6,000.00	\$6,000.00
31	01111	Sidewalk Closure Permit	CA	1	\$1,080.00	\$1,080.00
32	01410/ 01570	TPDES NOI/NOT	CA	1	\$375.00	\$375.00
33	02775	TDLR TAS Permit - Inspection	CA	1	\$1,050.00	\$1,050.00
34	01110/ TxDOT SS6834	PCMS: Full LED Matrix, 3 Line (8 character per line)	CA	1	\$20,000.00	\$20,000.00
			Sub-Tota	al CASH ALL	OWANCE ITEMS	\$36,005.00
					Total ITEMS	\$205,590.84
			CONT	INGENCIES	25%	\$51,397.71
			TOTAL PRO	JECT CONS	TRUCTION COST	\$256,988.55

Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

6. Kingwood Drive & Loop 494

	6. Kingwood Drive & Loop 494								
Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)			
GENER.	AL CONS	TRUCTION ITEMS							
1	01502	Mobilization	LS	1	\$8,398.91	\$8,398.91			
2	01555	Traffic Control and Regulation	LS	1	\$60,000.00	\$60,000.00			
3	01555	Flagmen	LS	1	\$30,000.00	\$30,000.00			
4	01555	(Install) Low Profile Concrete Barriers	LF	500	\$53.00	\$26,500.00			
5	01555	(Relocate) Low Profile Concrete Barriers	LF	500	\$5.25	\$2,625.00			
6	01555	(Remove) Low Profile Concrete Barriers	LF	500	\$8.25	\$4,125.00			
7	01575	Stabilized Construction Entrance/Exit	EA	2	\$2,500.00	\$5,000.00			
8	02893	Project Identification Signs	EA	4	\$750.00	\$3,000.00			
		Sul	b-Total GENE	RAL CONST	RUCTION ITEMS	\$139,648.91			
PAVING	ITEMS								
9	02221	Remove/Dispose Reinforced Concrete Surface/ with or without Base	SY	611	\$4.00	\$2,444.44			
10	02752S	Saw Cutting	LF	0	\$6.00	\$0.00			
11	02315	Roadway Excavation with or without subgrade	CY	102	\$5.00	\$509.26			
12	02336	Lime Stabilized Subgrade 8-inch thick	SY	833	\$3.00	\$2,500.00			
13	02336	6% Lime Treatment for Stabilized Subgrade (Dry weight) (36-lbs/SY/per 8-inch depth)	TON	17	\$120.00	\$1,989.90			
14	02751	Reinforced Concrete Pavement 10-inch thick	SY	833	\$80.00	\$66,666.67			
15	TxDOT SS3230	Fast Track Reinforced Concrete Pavement 13-inch thick	SY	0	\$110.00	\$0.00			
16	02752	Street Pavment Expansion Joint with Load Transfer Device	LF	206	\$6.00	\$1,237.50			
17	02752	Horizontal 24" Dowels	EA	250	\$3.50	\$875.00			
18	02771	Concrete Rail Road Header	LF	0	\$20.00	\$0.00			
19	02931	Traffic Signals (per intersection)	EA	0	\$200,000.00	\$0.00			
20	02771	6-Inch Concrete Curb	LF	500	\$5.00	\$2,500.00			
				Sub-Tota	I PAVING ITEMS	\$78,722.77			
				Total B	ASE UNIT PRICE	\$218,371.68			
EXTRA	WORK ITI	EMS							
21	02318	Excavate Around Obstructions	CY	100	\$10.00	\$1,000.00			
22	02318	Extra Hand Excavation	CY	100	\$15.00	\$1,500.00			
23	02318	Extra Machine Excavation	CY	100	\$10.00	\$1,000.00			
24	02318	Extra Placement of Backfill Material	CY	100	\$15.00	\$1,500.00			
25	02318	Extra Placement of Granular Fill	CY	100	\$15.00	\$1,500.00			
26	02318	Extra Placement of Select Backfill	CY	100	\$10.00	\$1,000.00			

Lake Houston/Kingwood Area Mobility Study **Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs**

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Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$
27	02318/ 02321	Extra Cement Stabilized Sand	CY	100	\$25.00	\$2,500.00
28	02501	Extra Water Line Fittings	TON	1	\$1,000.00	\$1,000.00
			Su	b-Total EXT	RA WORK ITEMS	\$11,000.00
ASH A	ALLOWAN	CEITEMS				
29	01110	Street Cut Permit	CA	1	\$7,500.00	\$7,500.00
30	01110	Lane Closure Permit	CA	1	\$6,000.00	\$6,000.00
31	01111	Sidewalk Closure Permit	CA	1	\$1,080.00	\$1,080.00
32	01410/ 01570	TPDES NOI/NOT	CA	1	\$375.00	\$375.00
33	02775	TDLR TAS Permit - Inspection	CA	1	\$1,050.00	\$1,050.00
34	01110/ TxDOT SS6834	PCMS: Full LED Matrix, 3 Line (8 character per line)	CA	1	\$20,000.00	\$20,000.00
			Sub-Tota	al CASH ALL	OWANCE ITEMS	\$36,005.00
					Total ITEMS	\$265,376.68
			CONT	INGENCIES	25%	\$66,344.17
			TOTAL PRO	JECT CONS	TRUCTION COST	\$331,720.85

Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

7. Kingwood Drive & Royal Forest Drive

	7. Kingwood Drive & Royal Forest Drive								
Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)			
GENER	AL CONS	TRUCTION ITEMS							
1	01502	Mobilization	LS	1	\$6,099.46	\$6,099.46			
2	01555	Traffic Control and Regulation	LS	1	\$60,000.00	\$60,000.00			
3	01555	Flagmen	LS	1	\$30,000.00	\$30,000.00			
4	01555	(Install) Low Profile Concrete Barriers	LF	250	\$53.00	\$13,250.00			
5	01555	(Relocate) Low Profile Concrete Barriers	LF	250	\$5.25	\$1,312.50			
6	01555	(Remove) Low Profile Concrete Barriers	LF	250	\$8.25	\$2,062.50			
7	01575	Stabilized Construction Entrance/Exit	EA	2	\$2,500.00	\$5,000.00			
8	02893	Project Identification Signs	EA	2	\$750.00	\$1,500.00			
		Su	b-Total GENE	RAL CONST	RUCTION ITEMS	\$119,224.46			
PAVING	ITEMS								
9	02221	Remove/Dispose Reinforced Concrete Surface/ with or without Base	SY	306	\$4.00	\$1,222.22			
10	02752S	Saw Cutting	LF	0	\$6.00	\$0.00			
11	02315	Roadway Excavation with or without subgrade	CY	51	\$5.00	\$254.63			
12	02336	Lime Stabilized Subgrade 8-inch thick	SY	417	\$3.00	\$1,250.00			
13	02336	6% Lime Treatment for Stabilized Subgrade (Dry weight) (36-lbs/SY/per 8-inch depth)	TON	8	\$120.00	\$994.95			
14	02751	Reinforced Concrete Pavement 10-inch thick	SY	417	\$80.00	\$33,333.33			
15	TxDOT SS3230	Fast Track Reinforced Concrete Pavement 13-inch thick	SY	0	\$110.00	\$0.00			
16	02752	Street Pavment Expansion Joint with Load Transfer Device	LF	103	\$6.00	\$618.75			
17	02752	Horizontal 24" Dowels	EA	125	\$3.50	\$437.50			
18	02771	Concrete Rail Road Header	LF	0	\$20.00	\$0.00			
19	02931	Traffic Signals (per intersection)	EA	0	\$200,000.00	\$0.00			
20	02771	6-Inch Concrete Curb	LF	250	\$5.00	\$1,250.00			
				Sub-Tota	I PAVING ITEMS	\$39,361.39			
				Total B	ASE UNIT PRICE	\$158,585.84			
EVEDA	WORK ITI	-MC							
21	02318	Excavate Around Obstructions	CY	100	\$10.00	¢1,000,00			
			CY	100	\$10.00 \$15.00	\$1,000.00			
22	02318	Extra Hand Excavation		100	\$15.00 \$10.00	\$1,500.00			
23	02318	Extra Machine Excavation	CY	100	\$10.00 \$15.00	\$1,000.00			
	02318	Extra Placement of Backfill Material	CY	100	\$15.00	\$1,500.00			
25	02318	Extra Placement of Granular Fill	CY	100	\$15.00 \$10.00	\$1,500.00			
26	02318	Extra Placement of Select Backfill	CY	100	\$10.00	\$1,000.00			

Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

7. Kingwood Drive & Royal Forest Drive

02321 02501 LOWANG	Extra Cement Stabilized Sand Extra Water Line Fittings CE ITEMS	CY TON Su	100 1 b-Total EXT	\$25.00 \$1,000.00 RA WORK ITEMS	\$2,500.00 \$1,000.00
LOWANG				. ,	. ,
	CE ITEMS	Su	b-Total EXT	RA WORK ITEMS	*
	CEITEMS				\$11,000.00
01110					
01110	Street Cut Permit	CA	1	\$7,500.00	\$7,500.00
01110	Lane Closure Permit	CA	1	\$6,000.00	\$6,000.00
01111	Sidewalk Closure Permit	CA	1	\$1,080.00	\$1,080.00
01410/ 01570	TPDES NOI/NOT	CA	1	\$375.00	\$375.00
02775	TDLR TAS Permit - Inspection	CA	1	\$1,050.00	\$1,050.00
01110/ TxDOT SS6834	PCMS: Full LED Matrix, 3 Line (8 character per line)	CA	1	\$20,000.00	\$20,000.00
	·	Sub-Tota	I CASH ALL	OWANCE ITEMS	\$36,005.00
				Total ITEMS	\$205,590.84
		CONT	INGENCIES	25%	\$51,397.71
		TOTAL PRO	JECT CONS	TRUCTION COST	\$256,988.55
C	01111 01410/ 01570 02775 01110/ 0xDOT	Dilili Sidewalk Closure Permit TPDES NOI/NOT DITTO TPDES NOI/NOT DITTO TPDES NOI/NOT TPDES NOI/NOT DITTO TPDES NOI/NOT TPDES NOI/NOT	D1111 Sidewalk Closure Permit CA D1410/ D1570 TPDES NOI/NOT CA D2775 TDLR TAS Permit - Inspection D11110 PCMS: Full LED Matrix, 3 Line (8 character per line) S0834 CONT	Sidewalk Closure Permit	Sidewalk Closure Permit CA 1 \$1,080.00 M410/

Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

8. Kingwood Drive & Green Oak Drive

	8. Kingwood Drive & Green Oak Drive									
Item	Spec.	Item Description	Unit	Unit	Unit Price (\$)	Total Amount (\$)				
No.	Ref.	I TRUCTION ITEMS	Measure	Quantity						
1		Mobilization	LS	1	\$6,099.46	\$6,099.46				
2	01555	Traffic Control and Regulation	LS	1	\$60,000.00	\$60,000.00				
3	01555	Flagmen	LS	1	\$30,000.00	\$30,000.00				
4	01555	(Install) Low Profile Concrete Barriers	LF	250	\$53.00	\$13,250.00				
5	01555	(Relocate) Low Profile Concrete Barriers	LF	250	\$5.25	\$1,312.50				
6	01555	(Remove) Low Profile Concrete Barriers	LF	250	\$8.25	\$2,062.50				
7	01575	Stabilized Construction Entrance/Exit	EA	2	\$2,500.00	\$5,000.00				
8	02893	Project Identification Signs	EA	2	\$750.00	\$1,500.00				
- °	02093									
DAVING	ITEME	5u	0-10tal GENE	RAL CONST	RUCTION ITEMS	\$119,224.46				
	ITEMS	Damaua/Dianaga Daintagaad Canagata Curto as/ with as without Dag-	CV	200	£4.00	¢4 222 22				
9	02221	Remove/Dispose Reinforced Concrete Surface/ with or without Base	SY	306	\$4.00	\$1,222.22				
10	02752S	Saw Cutting	LF OY	0	\$6.00	\$0.00				
11	02315	Roadway Excavation with or without subgrade	CY	51	\$5.00	\$254.63				
12	02336	Lime Stabilized Subgrade 8-inch thick	SY	417	\$3.00	\$1,250.00				
13	02336	6% Lime Treatment for Stabilized Subgrade (Dry weight) (36-lbs/SY/per 8-inch depth)	TON	8	\$120.00	\$994.95				
14	02751	Reinforced Concrete Pavement 10-inch thick	SY	417	\$80.00	\$33,333.33				
15	TxDOT SS3230	Fast Track Reinforced Concrete Pavement 13-inch thick	SY	0	\$110.00	\$0.00				
16	02752	Street Pavment Expansion Joint with Load Transfer Device	LF	103	\$6.00	\$618.75				
17	02752	Horizontal 24" Dowels	EA	125	\$3.50	\$437.50				
18	02771	Concrete Rail Road Header	LF	0	\$20.00	\$0.00				
19	02931	Traffic Signals (per intersection)	EA	0	\$200,000.00	\$0.00				
20	02771	6-Inch Concrete Curb	LF	250	\$5.00	\$1,250.00				
				Sub-Tota	I PAVING ITEMS	\$39,361.39				
				Total B	ASE UNIT PRICE	\$158,585.84				
EXTRA	WORK ITE	EMS								
21	02318	Excavate Around Obstructions	CY	100	\$10.00	\$1,000.00				
22	02318	Extra Hand Excavation	CY	100	\$15.00	\$1,500.00				
23	02318	Extra Machine Excavation	CY	100	\$10.00	\$1,000.00				
24	02318	Extra Placement of Backfill Material	CY	100	\$15.00	\$1,500.00				
25	02318	Extra Placement of Granular Fill	CY	100	\$15.00	\$1,500.00				
26	02318	Extra Placement of Select Backfill	CY	100	\$10.00	\$1,000.00				

Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

8. Kingwood Drive & Green Oak Drive

Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)
27	02318/ 02321	Extra Cement Stabilized Sand	CY	100	\$25.00	\$2,500.00
28	02501	Extra Water Line Fittings	TON	1	\$1,000.00	\$1,000.00
			Su	b-Total EXTI	RA WORK ITEMS	\$11,000.00
CASH A	LLOWAN	CE ITEMS				
29	01110	Street Cut Permit	CA	1	\$7,500.00	\$7,500.00
30	01110	Lane Closure Permit	CA	1	\$6,000.00	\$6,000.00
31	01111	Sidewalk Closure Permit	CA	1	\$1,080.00	\$1,080.00
32	01410/ 01570	TPDES NOI/NOT	CA	1	\$375.00	\$375.00
33	02775	TDLR TAS Permit - Inspection	CA	1	\$1,050.00	\$1,050.00
34	01110/ TxDOT SS6834	PCMS: Full LED Matrix, 3 Line (8 character per line)	CA	1	\$20,000.00	\$20,000.00
			Sub-Tota	I CASH ALL	OWANCE ITEMS	\$36,005.00
					Total ITEMS	\$205,590.84
						,000101
			CONT	INGENCIES	25%	\$51,397.71
			TOTAL PRO	JECT CONS	TRUCTION COST	\$256,988.55

9. Kingwood Drive & Trailwood Village

	9. Kingwood Drive & Trailwood Village								
Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)			
GENER	AL CONS	FRUCTION ITEMS							
1	01502	Mobilization	LS	1	\$6,099.46	\$6,099.46			
2	01555	Traffic Control and Regulation	LS	1	\$60,000.00	\$60,000.00			
3	01555	Flagmen	LS	1	\$30,000.00	\$30,000.00			
4	01555	(Install) Low Profile Concrete Barriers	LF	250	\$53.00	\$13,250.00			
5	01555	(Relocate) Low Profile Concrete Barriers	LF	250	\$5.25	\$1,312.50			
6	01555	(Remove) Low Profile Concrete Barriers	LF	250	\$8.25	\$2,062.50			
7	01575	Stabilized Construction Entrance/Exit	EA	2	\$2,500.00	\$5,000.00			
8	02893	Project Identification Signs	EA	2	\$750.00	\$1,500.00			
		Su	b-Total GENE	RAL CONST	RUCTION ITEMS	\$119,224.46			
PAVING	ITEMS								
9	02221	Remove/Dispose Reinforced Concrete Surface/ with or without Base	SY	306	\$4.00	\$1,222.22			
10	02752S	Saw Cutting	LF	0	\$6.00	\$0.00			
11	02315	Roadway Excavation with or without subgrade	CY	51	\$5.00	\$254.63			
12	02336	Lime Stabilized Subgrade 8-inch thick	SY	417	\$3.00	\$1,250.00			
13	02336	6% Lime Treatment for Stabilized Subgrade (Dry weight) (36-lbs/SY/per 8-inch depth)	TON	8	\$120.00	\$994.95			
14	02751	Reinforced Concrete Pavement 10-inch thick	SY	417	\$80.00	\$33,333.33			
15	TxDOT SS3230	Fast Track Reinforced Concrete Pavement 13-inch thick	SY	0	\$110.00	\$0.00			
16	02752	Street Pavment Expansion Joint with Load Transfer Device	LF	103	\$6.00	\$618.75			
17	02752	Horizontal 24" Dowels	EA	125	\$3.50	\$437.50			
18	02771	Concrete Rail Road Header	LF	0	\$20.00	\$0.00			
19	02931	Traffic Signals (per intersection)	EA	0	\$200,000.00	\$0.00			
20	02771	6-Inch Concrete Curb	LF	250	\$5.00	\$1,250.00			
				Sub-Tota	I PAVING ITEMS	\$39,361.39			
				Total R	ASE UNIT PRICE	\$158,585.84			
				Total B	AGE ONLY TRICE	\$130,303.04			
EXTRA	WORK ITE	EMS							
21	02318	Excavate Around Obstructions	CY	100	\$10.00	\$1,000.00			
22	02318	Extra Hand Excavation	CY	100	\$15.00	\$1,500.00			
23	02318	Extra Machine Excavation	CY	100	\$10.00	\$1,000.00			
24	02318	Extra Placement of Backfill Material	CY	100	\$15.00	\$1,500.00			
25	02318	Extra Placement of Granular Fill	CY	100	\$15.00	\$1,500.00			
26	02318	Extra Placement of Select Backfill	CY	100	\$10.00	\$1,000.00			

Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

9. Kingwood Drive & Trailwood Village

Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)
27	02318/ 02321	Extra Cement Stabilized Sand	CY	100	\$25.00	\$2,500.00
28	02501	Extra Water Line Fittings	TON	1	\$1,000.00	\$1,000.00
			Su	b-Total EXT	RA WORK ITEMS	\$11,000.00
ASH A	LLOWAN	CE ITEMS				
29	01110	Street Cut Permit	CA	1	\$7,500.00	\$7,500.00
30	01110	Lane Closure Permit	CA	1	\$6,000.00	\$6,000.00
31	01111	Sidewalk Closure Permit	CA	1	\$1,080.00	\$1,080.00
32	01410/ 01570	TPDES NOI/NOT	CA	1	\$375.00	\$375.00
33	02775	TDLR TAS Permit - Inspection	CA	1	\$1,050.00	\$1,050.00
34	01110/ TxDOT SS6834	PCMS: Full LED Matrix, 3 Line (8 character per line)	CA	1	\$20,000.00	\$20,000.00
			Sub-Tota	al CASH ALL	OWANCE ITEMS	\$36,005.00
					Total ITEMS	\$205,590.84
			CONT	INGENCIES	25%	\$51,397.71
			TOTAL PRO	JECT CONS	TRUCTION COST	\$256,988.55

10. Kingwood Drive & Woodland Hills Drive

Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)
GENER	AL CONS	TRUCTION ITEMS				
1	01502	Mobilization	LS	1	\$12,877.82	\$12,877.82
2	01555	Traffic Control and Regulation	LS	1	\$60,000.00	\$60,000.00
3	01555	Flagmen	LS	1	\$30,000.00	\$30,000.00
4	01555	(Install) Low Profile Concrete Barriers	LF	1,000	\$53.00	\$53,000.00
5	01555	(Relocate) Low Profile Concrete Barriers	LF	1,000	\$5.25	\$5,250.00
6	01555	(Remove) Low Profile Concrete Barriers	LF	1,000	\$8.25	\$8,250.00
7	01575	Stabilized Construction Entrance/Exit	EA	2	\$2,500.00	\$5,000.00
8	02893	Project Identification Signs	EA	4	\$750.00	\$3,000.00
		Sul	b-Total GENE	RAL CONST	RUCTION ITEMS	\$177,377.82
PAVING	ITEMS				·	
9	02221	Remove/Dispose Reinforced Concrete Surface/ with or without Base	SY	1,222	\$4.00	\$4,888.89
10	02752S	Saw Cutting	LF	0	\$6.00	\$0.00
11	02315	Roadway Excavation with or without subgrade	CY	204	\$5.00	\$1,018.52
12	02336	Lime Stabilized Subgrade 8-inch thick	SY	1,667	\$3.00	\$5,000.00
13	02336	6% Lime Treatment for Stabilized Subgrade (Dry weight) (36-lbs/SY/per 8-inch depth)	TON	33	\$120.00	\$3,979.80
14	02751	Reinforced Concrete Pavement 10-inch thick	SY	1,667	\$80.00	\$133,333.33
15	TxDOT SS3230	Fast Track Reinforced Concrete Pavement 13-inch thick	SY	0	\$110.00	\$0.00
16	02752	Street Pavment Expansion Joint with Load Transfer Device	LF	413	\$6.00	\$2,475.00
17	02752	Horizontal 24" Dowels	EA	500	\$3.50	\$1,750.00
18	02771	Concrete Rail Road Header	LF	0	\$20.00	\$0.00
19	02931	Traffic Signals (per intersection)	EA	0	\$200,000.00	\$0.00
20	02771	6-Inch Concrete Curb	LF	1,000	\$5.00	\$5,000.00
				Sub-Tota	I PAVING ITEMS	\$157,445.54
				Total B	ASE UNIT PRICE	\$334,823.36
EVED :	WORK IT					
:XIKA	WORK ITI	=IVIO				

Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)
21	02318	Excavate Around Obstructions	CY	100	\$10.00	\$1,000.00
22	02318	Extra Hand Excavation	CY	100	\$15.00	\$1,500.00
23	02318	Extra Machine Excavation	CY	100	\$10.00	\$1,000.00
24	02318	Extra Placement of Backfill Material	CY	100	\$15.00	\$1,500.00
25	02318	Extra Placement of Granular Fill	CY	100	\$15.00	\$1,500.00
26	02318	Extra Placement of Select Backfill	CY	100	\$10.00	\$1,000.00
27	02318/ 02321	Extra Cement Stabilized Sand	CY	100	\$25.00	\$2,500.00
28	02501	Extra Water Line Fittings	TON	1	\$1,000.00	\$1,000.00
			Su	b-Total EXTI	RA WORK ITEMS	\$11,000.00
29	01110	Street Cut Permit	CA	1	\$7,500.00	\$7,500.00
ASH A	LLOWAN	CE ITEMS				
30	01110	Lane Closure Permit	CA	1	\$6,000.00	\$6,000.00
31	01111	Sidewalk Closure Permit	CA	1	\$1,080.00	\$1,080.00
32	01410/ 01570	TPDES NOI/NOT	CA	1	\$375.00	\$375.00
33	02775	TDLR TAS Permit - Inspection	CA	1	\$1,050.00	\$1,050.00
34	01110/ TxDOT SS6834	PCMS: Full LED Matrix, 3 Line (8 character per line)	CA	1	\$20,000.00	\$20,000.00
			Sub-Tota	I CASH ALL	OWANCE ITEMS	\$36,005.00
					Total ITEMS	\$381,828.36
			CONT	INGENCIES	25%	\$95,457.09
			TOTAL PRO			\$477,285.45

11. Kingwood Drive & Willow Terrace

Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)
GENER	AL CONS	TRUCTION ITEMS				
1	01502	Mobilization	LS	1	\$6,099.46	\$6,099.46
2	01555	Traffic Control and Regulation	LS	1	\$60,000.00	\$60,000.00
3	01555	Flagmen	LS	1	\$30,000.00	\$30,000.00
4	01555	(Install) Low Profile Concrete Barriers	LF	250	\$53.00	\$13,250.00
5	01555	(Relocate) Low Profile Concrete Barriers	LF	250	\$5.25	\$1,312.50
6	01555	(Remove) Low Profile Concrete Barriers	LF	250	\$8.25	\$2,062.50
7	01575	Stabilized Construction Entrance/Exit	EA	2	\$2,500.00	\$5,000.00
8	02893	Project Identification Signs	EA	2	\$750.00	\$1,500.00
		Sul	o-Total GENE	RAL CONST	RUCTION ITEMS	\$119,224.46
PAVING	ITEMS					
9	02221	Remove/Dispose Reinforced Concrete Surface/ with or without Base	SY	306	\$4.00	\$1,222.22
10	02752S	Saw Cutting	LF	0	\$6.00	\$0.00
11	02315	Roadway Excavation with or without subgrade	CY	51	\$5.00	\$254.63
12	02336	Lime Stabilized Subgrade 8-inch thick	SY	417	\$3.00	\$1,250.00
13	02336	6% Lime Treatment for Stabilized Subgrade (Dry weight) (36-lbs/SY/per 8-inch depth)	TON	8	\$120.00	\$994.95
14	02751	Reinforced Concrete Pavement 10-inch thick	SY	417	\$80.00	\$33,333.33
15	TxDOT SS3230	Fast Track Reinforced Concrete Pavement 13-inch thick	SY	0	\$110.00	\$0.00
16	02752	Street Pavment Expansion Joint with Load Transfer Device	LF	103	\$6.00	\$618.75
17	02752	Horizontal 24" Dowels	EA	125	\$3.50	\$437.50
18	02771	Concrete Rail Road Header	LF	0	\$20.00	\$0.00
19	02931	Traffic Signals (per intersection)	EA	0	\$200,000.00	\$0.00
20	02771	6-Inch Concrete Curb	LF	250	\$5.00	\$1,250.00
				Sub-Tota	I PAVING ITEMS	\$39,361.39
				Total B	ASE UNIT PRICE	\$158,585.84
				Total B	AGE GIVIT I KIGE	\$130,303.04
EXTRA	WORK ITI	EMS				
21	02318	Excavate Around Obstructions	CY	100	\$10.00	\$1,000.00
22	02318	Extra Hand Excavation	CY	100	\$15.00	\$1,500.00
23	02318	Extra Machine Excavation	CY	100	\$10.00	\$1,000.00
24	02318	Extra Placement of Backfill Material	CY	100	\$15.00	\$1,500.00
25	02318	Extra Placement of Granular Fill	CY	100	\$15.00	\$1,500.00
26	02318	Extra Placement of Select Backfill	CY	100	\$10.00	\$1,000.00
27	02318/ 02321	Extra Cement Stabilized Sand	CY	100	\$25.00	\$2,500.00

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Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)
28	02501	Extra Water Line Fittings	TON	1	\$1,000.00	\$1,000.00
			Su	b-Total EXTI	RA WORK ITEMS	\$11,000.00
ASH A	ALLOWAN	CE ITEMS				
29	01110	Street Cut Permit	CA	1	\$7,500.00	\$7,500.00
30	01110	Lane Closure Permit	CA	1	\$6,000.00	\$6,000.00
31	01111	Sidewalk Closure Permit	CA	1	\$1,080.00	\$1,080.00
32	01410/ 01570	TPDES NOI/NOT	CA	1	\$375.00	\$375.00
33	02775	TDLR TAS Permit - Inspection	CA	1	\$1,050.00	\$1,050.00
34	01110/ TxDOT SS6834	PCMS: Full LED Matrix, 3 Line (8 character per line)	CA	1	\$20,000.00	\$20,000.00
		•	Sub-Tota	al CASH ALL	OWANCE ITEMS	\$36,005.00
					Total ITEMS	\$205,590.84
			CONT	INGENCIES	25%	\$51,397.71
			TOTAL PRO	IECT CONS	TRUCTION COST	\$256,988.55

12. Hamblen Road & Forest Cove Drive

Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)
SENER	AL CONS	TRUCTION ITEMS				
1	01502	Mobilization	LS	1	\$6,099.46	\$6,099.46
2	01555	Traffic Control and Regulation	LS	1	\$60,000.00	\$60,000.00
3	01555	Flagmen	LS	1	\$30,000.00	\$30,000.00
4	01555	(Install) Low Profile Concrete Barriers	LF	250	\$53.00	\$13,250.00
5	01555	(Relocate) Low Profile Concrete Barriers	LF	250	\$5.25	\$1,312.50
6	01555	(Remove) Low Profile Concrete Barriers	LF	250	\$8.25	\$2,062.50
7	01575	Stabilized Construction Entrance/Exit	EA	2	\$2,500.00	\$5,000.00
8	02893	Project Identification Signs	EA	2	\$750.00	\$1,500.00
		Su	b-Total GENE	RAL CONST	RUCTION ITEMS	\$119,224.46
AVING	ITEMS					
9	02221	Remove/Dispose Reinforced Concrete Surface/ with or without Base	SY	306	\$4.00	\$1,222.22
10	02752S	Saw Cutting	LF	0	\$6.00	\$0.00
11	02315	Roadway Excavation with or without subgrade	CY	51	\$5.00	\$254.63
12	02336	Lime Stabilized Subgrade 8-inch thick	SY	417	\$3.00	\$1,250.00
13	02336	6% Lime Treatment for Stabilized Subgrade (Dry weight) (36-lbs/SY/per 8-inch depth)	TON	8	\$120.00	\$994.95
14	02751	Reinforced Concrete Pavement 10-inch thick	SY	417	\$80.00	\$33,333.33
15	TxDOT SS3230	Fast Track Reinforced Concrete Pavement 13-inch thick	SY	0	\$110.00	\$0.00
16	02752	Street Pavment Expansion Joint with Load Transfer Device	LF	103	\$6.00	\$618.75
17	02752	Horizontal 24" Dowels	EA	125	\$3.50	\$437.50
18	02771	Concrete Rail Road Header	LF	0	\$20.00	\$0.00
19	02931	Traffic Signals (per intersection)	EA	0	\$200,000.00	\$0.00
20	02771	6-Inch Concrete Curb	LF	250	\$5.00	\$1,250.00
				Sub-Tota	I PAVING ITEMS	\$39,361.39
				Total B	ASE UNIT PRICE	\$158,585.84
XTRA	WORK IT	EMS				
21	02318	Excavate Around Obstructions	CY	100	\$10.00	\$1,000.00
22	02318	Extra Hand Excavation	CY	100	\$15.00	\$1,500.00
23	02318	Extra Machine Excavation	CY	100	\$10.00	\$1,000.00
24	02318	Extra Placement of Backfill Material	CY	100	\$15.00	\$1,500.00
25	02318	Extra Placement of Granular Fill	CY	100	\$15.00	\$1,500.00
26	02318	Extra Placement of Select Backfill	CY	100	\$10.00	\$1,000.00
	02318/ 02321	Extra Cement Stabilized Sand	CY	100	\$25.00	\$2,500.00
27				ı . —		£4 000 00
27	02501	Extra Water Line Fittings	TON	1	\$1,000.00	\$1,000.00

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Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

12. Hamblen Road & Forest Cove Drive

Item No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)
29	01110	Street Cut Permit	CA	1	\$7,500.00	\$7,500.00
30	01110	Lane Closure Permit	CA	1	\$6,000.00	\$6,000.00
31	01111	Sidewalk Closure Permit	CA	1	\$1,080.00	\$1,080.00
32	01410/ 01570	TPDES NOI/NOT	CA	1	\$375.00	\$375.00
33	02775	TDLR TAS Permit - Inspection	CA	1	\$1,050.00	\$1,050.00
34	01110/ TxDOT SS6834	PCMS: Full LED Matrix, 3 Line (8 character per line)	CA	1	\$20,000.00	\$20,000.00
			Sub-Tota	I CASH ALL	OWANCE ITEMS	\$36,005.00
					Total ITEMS	\$205,590.84
			CONT	INGENCIES	25%	\$51,397.71
			TOTAL PRO	JECT CONS	TRUCTION COST	\$256,988.55

Lake Houston/Kingwood Area Mobility Study Priority 1: Intersection Improvements Engineer's Opinion of Probable Construction Costs

13. Mills Branch Drive & Northpark Drive

No.	Spec. Ref.	Item Description	Unit Measure	Unit Quantity	Unit Price (\$)	Total Amount (\$)
ENE	RAL CONSTR	EUCTION ITEMS		ı	<u>l</u>	
1	01502	Mobilization	LS	1	\$331,601.94	\$331,601.94
2	01555	Traffic Control and Regulation	LS	1	\$400,000.00	\$400,000.00
3	01555	Flagmen	LS	1	\$150,000.00	\$150,000.00
4	01555	(Install) Low Profile Concrete Barriers	LF	1,500	\$53.00	\$79,500.00
5	01555	(Relocate) Low Profile Concrete Barriers	LF	1,500	\$5.25	\$7,875.00
6	01555	(Remove) Low Profile Concrete Barriers	LF	1,500	\$8.25	\$12,375.00
7	01570	Implementation and Maintenance of Stormwater Pollution Prevention Plan	LS	1	\$80,000.00	\$80,000.00
8	01570	Inlet Protection Barrier	EA	8	\$5.00	\$40.00
9	01575	Stabilized Construction Entrance/Exit	EA	4	\$2,500.00	\$10,000.00
10	01578	Ground Water Control for Open Cut Construction	LF	860	\$20.00	\$17,200.00
11	02221	Remove and Relocate traffic signs, roadway signs	EA	40	\$130.00	\$5,200.00
12	02260	Trench Safety System for trench excavations	LF	4,499	\$0.50	\$2,249.50
13	02893	Project Identification Signs	EA	4	\$750.00	\$3,000.00
	•		Sub-Total (GENERAL (CONSTRUCTION ITEMS	\$1,099,041.44
AVI	IG ITEMS					
14	02221	Remove/Dispose Reinforced Concrete Surface/ with or without Base	SY	26,889	\$4.00	\$107,555.56
15	02752S	Saw Cutting	LF	1,825	\$6.00	\$10,950.00
16	02315	Roadway Excavation with or without subgrade	CY	4,481	\$5.00	\$22,407.41
17	02336	Lime Stabilized Subgrade 8-inch thick	SY	36,667	\$3.00	\$110,000.00
18	02336	6% Lime Treatment for Stabilized Subgrade (Dry weight) (36-lbs/SY/per 8-inch depth)	TON	730	\$120.00	\$87,555.60
19	02751	Reinforced Concrete Pavement 10-inch thick	SY	36,667	\$80.00	\$2,933,333.33
20	TxDOT SS3230	Fast Track Reinforced Concrete Pavement 10-inch thick	SY	5,861	\$110.00	\$644,722.22
21	02752	Street Pavment Expansion Joint with Load Transfer Device	LF	9,075	\$6.00	\$54,450.00
22	02752	Horizontal 24" Dowels	EA	11,000	\$3.50	\$38,500.00
23	-	Bridge Replacement (Replace 2-1-lane bridges with 2-2-lane bridges)	SF	8,800	\$200.00	\$1,760,000.00
24	02931	Traffic Signals (per intersection)	EA	0	\$200,000.00	\$0.00
25	02771	6-Inch Concrete Curb	LF	22,000	\$5.00	\$110,000.00
			LI			
			ы	Sı	ub-Total PAVING ITEMS	\$5,879,474.12
TOR	M SEWER ITE		LI	Sı		\$5,879,474.12
	M SEWER ITE		LF	S t 450		\$5,879,474.12 \$4,050.00
26		MS		ī	ub-Total PAVING ITEMS	
26 27	02222	MS Remove/Dispose Storm Pipe 24-inch dia	LF	450	sb-Total PAVING ITEMS	\$4,050.00
26 27 28	02222 02222	MS Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia	LF LF	450 270	\$9.00 \$9.00	\$4,050.00 \$2,430.00
26 27 28 29	02222 02222 02222	MS Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia	LF LF LF	450 270 60	\$9.00 \$9.00 \$9.00	\$4,050.00 \$2,430.00 \$540.00
26 27 28 29 30	02222 02222 02222 02222	Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 54-inch dia	LF LF LF	450 270 60 80	\$9.00 \$9.00 \$9.00 \$9.00 \$20.00	\$4,050.00 \$2,430.00 \$540.00 \$1,600.00
26 27 28 29 30	02222 02222 02222 02222 02222	Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Manholes all sizes/depth	LF LF LF LF	450 270 60 80 2	\$9.00 \$9.00 \$9.00 \$20.00 \$400.00	\$4,050.00 \$2,430.00 \$540.00 \$1,600.00 \$800.00
26 27 28 29 30 31	02222 02222 02222 02222 02222 02222	Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Manholes all sizes/depth Remove/Dispose Inlets all sizes/depth	LF LF LF EA	450 270 60 80 2	\$9.00 \$9.00 \$9.00 \$9.00 \$20.00 \$400.00 \$300.00	\$4,050.00 \$2,430.00 \$540.00 \$1,600.00 \$800.00 \$2,400.00
26 27 28 29 30 31 32	02222 02222 02222 02222 02222 02222 02222 02631	Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Manholes all sizes/depth Remove/Dispose Inlets all sizes/depth 24-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place	LF LF LF EA EA	450 270 60 80 2 8 450	\$9.00 \$9.00 \$9.00 \$9.00 \$20.00 \$400.00 \$300.00 \$118.00	\$4,050.00 \$2,430.00 \$540.00 \$1,600.00 \$800.00 \$2,400.00 \$53,100.00
26 27 28 29 30 31 32 33 34	02222 02222 02222 02222 02222 02222 02631 02631	Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Manholes all sizes/depth Remove/Dispose Inlets all sizes/depth 24-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 30-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place	LF LF LF LF EA EA	450 270 60 80 2 8 450 270	\$9.00 \$9.00 \$9.00 \$9.00 \$20.00 \$400.00 \$300.00 \$118.00	\$4,050.00 \$2,430.00 \$540.00 \$1,600.00 \$800.00 \$2,400.00 \$53,100.00 \$39,150.00
26 27 28 29 30 31 33 33 34	02222 02222 02222 02222 02222 02222 02222 02631 02631 02631	Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Manholes all sizes/depth Remove/Dispose Inlets all sizes/depth 24-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 30-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 36-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place	LF LF LF EA EA LF LF LF	450 270 60 80 2 8 450 270	\$9.00 \$9.00 \$9.00 \$9.00 \$20.00 \$400.00 \$300.00 \$118.00 \$145.00	\$4,050.00 \$2,430.00 \$540.00 \$1,600.00 \$800.00 \$2,400.00 \$53,100.00 \$39,150.00
26 27 28 29 30 31 32 33 34 35 36	02222 02222 02222 02222 02222 02222 02631 02631 02631 02631 081/02082/026	Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Manholes all sizes/depth Remove/Dispose Inlets all sizes/depth 24-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 30-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 36-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 54-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place	LF LF LF EA EA LF LF LF LF LF LF	450 270 60 80 2 8 450 270 60	\$9.00 \$9.00 \$9.00 \$9.00 \$20.00 \$400.00 \$300.00 \$118.00 \$145.00 \$280.00	\$4,050.00 \$2,430.00 \$540.00 \$1,600.00 \$800.00 \$2,400.00 \$53,100.00 \$39,150.00 \$9,300.00 \$22,400.00
26 27 28 29 30 31 33 33 34 35 36	02222 02222 02222 02222 02222 02222 02631 02631 02631 02631 081/02082/026	Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Manholes all sizes/depth Remove/Dispose Inlets all sizes/depth 24-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 30-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 36-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 54-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place Type C manhole for 42-inch diameter and smaller sewers	LF LF LF EA EA LF LF LF LF LF LF LF LF	450 270 60 80 2 8 450 270 60 80 2	\$9.00 \$9.00 \$9.00 \$9.00 \$20.00 \$400.00 \$300.00 \$118.00 \$145.00 \$280.00 \$3,400.00	\$4,050.00 \$2,430.00 \$540.00 \$1,600.00 \$800.00 \$2,400.00 \$39,150.00 \$9,300.00 \$22,400.00
26 27 28 29 30 31 32 33 34 35 36 37	02222 02222 02222 02222 02222 02222 02631 02631 02631 081/02082/02(081/02082/02(02632 /	Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Manholes all sizes/depth Remove/Dispose Inlets all sizes/depth 24-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 30-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 36-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 54-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 54-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place Type C manhole for 42-inch diameter and smaller sewers Type C manhole for 48-inch to 72-inch diameter sewers	LF LF LF EA EA LF LF LF EA EA EA EA	450 270 60 80 2 8 450 270 60 80 2	\$9.00 \$9.00 \$9.00 \$9.00 \$20.00 \$400.00 \$300.00 \$118.00 \$145.00 \$155.00 \$280.00 \$3,400.00	\$4,050.00 \$2,430.00 \$540.00 \$1,600.00 \$800.00 \$2,400.00 \$53,100.00 \$9,300.00 \$22,400.00 \$6,800.00
26 27 28 29 30 31 32 33 34 35 36 37 38	02222 02222 02222 02222 02222 02222 02631 02631 02631 081/02082/020 081/02082/020 02632 / 02633 02632 /	Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Manholes all sizes/depth Remove/Dispose Inlets all sizes/depth 24-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 30-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 36-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 54-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place Type C manhole for 42-inch diameter and smaller sewers Type C manhole for 48-inch to 72-inch diameter sewers Type H-2 Inlet	LF LF LF EA EA LF LF LF EA EA EA EA EA	450 270 60 80 2 8 450 270 60 80 2 0	\$9.00 \$9.00 \$9.00 \$9.00 \$20.00 \$400.00 \$300.00 \$118.00 \$145.00 \$155.00 \$280.00 \$3,400.00 \$6,000.00	\$4,050.00 \$2,430.00 \$540.00 \$1,600.00 \$800.00 \$2,400.00 \$39,150.00 \$9,300.00 \$22,400.00 \$6,800.00 \$13,500.00
26 27 28 29 30 31 32 33 34 35 36 37 38 39	02222 02222 02222 02222 02222 02222 02631 02631 02631 02631 02631 081/02082/020 081/02082/020 02632 / 02633 02632 / 02633 02632 / 02633	Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Manholes all sizes/depth Remove/Dispose Inlets all sizes/depth 24-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 30-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 36-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 54-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place Type C manhole for 42-inch diameter and smaller sewers Type C manhole for 48-inch to 72-inch diameter sewers Type H-2 Inlet	LF LF LF EA EA LF LF LF EA EA EA EA EA	450 270 60 80 2 8 450 270 60 80 2 0 5	\$9.00 \$9.00 \$9.00 \$9.00 \$20.00 \$400.00 \$3300.00 \$118.00 \$145.00 \$155.00 \$280.00 \$3,400.00 \$6,000.00 \$2,700.00	\$4,050.00 \$2,430.00 \$540.00 \$1,600.00 \$800.00 \$2,400.00 \$53,100.00 \$9,300.00 \$22,400.00 \$6,800.00 \$13,500.00 \$5,400.00
26 27 28 29 30 31 32 33 34 35 36 37 38 39	02222 02222 02222 02222 02222 02222 02631 02631 02631 02631 02631 081/02082/020 081/02082/020 02632 / 02633 02632 / 02633 02632 / 02633	Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Manholes all sizes/depth Remove/Dispose Inlets all sizes/depth 24-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 30-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 36-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 54-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place Type C manhole for 42-inch diameter and smaller sewers Type C manhole for 48-inch to 72-inch diameter sewers Type H-2 Inlet Type C-1 Inlet	LF LF EA EA LF LF EA EA EA EA EA	450 270 60 80 2 8 450 270 60 80 2 0 5 2 1 Sub-Total	\$9.00 \$9.00 \$9.00 \$9.00 \$20.00 \$400.00 \$118.00 \$145.00 \$155.00 \$280.00 \$3,400.00 \$2,700.00 \$2,700.00 \$5,700.00 \$5,700.00	\$4,050.00 \$2,430.00 \$540.00 \$1,600.00 \$800.00 \$2,400.00 \$53,100.00 \$9,300.00 \$22,400.00 \$6,800.00 \$13,500.00 \$2,700.00 \$164,170.00
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	02222 02222 02222 02222 02222 02222 02631 02631 02631 02631 02631 081/02082/020 081/02082/020 02632 / 02633 02632 / 02633 02632 / 02633 02632 / 02633	Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Manholes all sizes/depth Remove/Dispose Inlets all sizes/depth 24-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 30-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 36-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 54-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 54-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place Type C manhole for 42-inch diameter and smaller sewers Type C manhole for 48-inch to 72-inch diameter sewers Type H-2 Inlet Type C-1 Inlet Remove and Dispose 8-inch Diameter Water Line	LF LF LF EA EA LF LF EA EA EA EA	450 270 60 80 2 8 450 270 60 80 2 0 5 2 1 Sub-Total	\$9.00 \$9.00 \$9.00 \$9.00 \$20.00 \$400.00 \$3300.00 \$118.00 \$145.00 \$155.00 \$280.00 \$3,400.00 \$2,700.00 \$2,700.00 \$2,700.00 \$500000 \$5000000000000000000000000	\$4,050.00 \$2,430.00 \$540.00 \$1,600.00 \$800.00 \$2,400.00 \$53,100.00 \$9,300.00 \$22,400.00 \$6,800.00 \$13,500.00 \$2,700.00 \$164,170.00
26 27 28 29 30 31 32 33 34 35 36 37 38 39	02222 02222 02222 02222 02222 02222 02631 02631 02631 02631 02631 081/02082/020 081/02082/020 02632 / 02633 02632 / 02633 02632 / 02633	Remove/Dispose Storm Pipe 24-inch dia Remove/Dispose Storm Pipe 30-inch dia Remove/Dispose Storm Pipe 36-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Storm Pipe 54-inch dia Remove/Dispose Manholes all sizes/depth Remove/Dispose Inlets all sizes/depth 24-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 30-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 36-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place 54-Inch RCP Storm Sewers by Open-Cut, All Depths, Complete in Place Type C manhole for 42-inch diameter and smaller sewers Type C manhole for 48-inch to 72-inch diameter sewers Type H-2 Inlet Type C-1 Inlet	LF LF EA EA LF LF EA EA EA EA EA	450 270 60 80 2 8 450 270 60 80 2 0 5 2 1 Sub-Total	\$9.00 \$9.00 \$9.00 \$9.00 \$20.00 \$400.00 \$118.00 \$145.00 \$155.00 \$280.00 \$3,400.00 \$2,700.00 \$2,700.00 \$5,700.00 \$5,700.00	\$4,050.00 \$2,430.00 \$540.00 \$1,600.00 \$800.00 \$2,400.00 \$53,100.00 \$9,300.00 \$22,400.00 \$6,800.00 \$13,500.00 \$5,400.00 \$2,700.00

45	02511	12-inch water line w/ Restrained joints by Open-Cut	LF	345	\$210.00	\$72,450.00	
46	02511	20-inch water line w/ Restrained joints by Open-Cut	LF	2,234	\$250.00	\$558,500.00	
47	02520	Remove and salvage existing fire hydrant	EA	18	\$700.00	\$12,600.00	
48	02520	Fire hydrant assembly, all depths, including 6-inch diameter gate valve and box	EA	18	\$5,000.00	\$90,000.00	
		3			ıb-Total WATER ITEMS	\$792,515.00	
ΑΝΙΊ	ARY SEWER	ITEMS				, , , , , , , , , , , , , , , , , , , ,	
49	02221	Remove Existing Sanitary Sewer Pipe (All Types)	LF	910	\$40.00	\$36,400.00	
50	02532	8-Inch PVC Sanitary Sewers by Open-Cut, All Depths, Complete in Place	LF	375	\$110.00	\$41,250.00	
51	02531	10-Inch PVC Sanitary Sewers by Open-Cut, All Depths, Complete in Place	LF	110	\$130.00	\$14,300.00	
51	02532	15-Inch PVC Sanitary Sewers by Open-Cut, All Depths, Complete in Place	LF	425	\$140.00	\$59,500.00	
			s	ub-Total SA	NITARY SEWER ITEMS	\$151,450.00	
TRE	ETSCAPE ITE	EMS					
52	02035	Tree Protection Fencing	LS	1	\$100,000.00	\$100,000.00	
53	02110	Tree removal	LS	1	\$50,000.00	\$50,000.00	
54	02110	Tree Mitigation	LS	1	\$375,000.00	\$375,000.00	
55	02810	Irrigation Repairs	LS	1	\$10,000.00	\$10,000.00	
				Sub-Total	STREETSCAPE ITEMS	\$535,000.00	
				Т	otal BASE UNIT PRICE	\$8,621,650.56	
						<u> </u>	
XTR.	A WORK ITEN	MS					
56	02318	Excavate Around Obstructions	CY	100	\$10.00	\$1,000.00	
57	02318	Extra Hand Excavation	CY	100	\$15.00	\$1,500.00	
58	02318	Extra Machine Excavation	CY	100	\$10.00	\$1,000.00	
59	02318	Extra Placement of Backfill Material	CY	100	\$15.00	\$1,500.00	
60	02318	Extra Placement of Granular Fill	CY	100	\$15.00	\$1,500.00	
61	02318	Extra Placement of Select Backfill	CY	100	\$10.00	\$1,000.00	
62	02318/ 02321	Extra Cement Stabilized Sand	CY	100	\$25.00	\$2,500.00	
63	02501	Extra Water Line Fittings	TON	1	\$1,000.00	\$1,000.00	
				Sub-Tota	I EXTRA WORK ITEMS	\$11,000.00	
ASH	ALLOWANC	E ITEMS					
64	01110	Street Cut Permit	CA	1	\$7,500.00	\$7,500.00	
65	01110	Lane Closure Permit	CA	1	\$6,000.00	\$6,000.00	
66	01111	Sidewalk Closure Permit	CA	1	\$1,080.00	\$1,080.00	
67	01410/ 01570	TPDES NOI/NOT	CA	1	\$375.00	\$375.00	
68	02775	TDLR TAS Permit - Inspection	CA	1	\$1,050.00	\$1,050.00	
69	01110/ TxDOT SS6834	PCMS: Full LED Matrix, 3 Line (8 character per line)	CA	1	\$20,000.00	\$20,000.00	
			Su	b-Total CAS	H ALLOWANCE ITEMS	\$36,005.00	
					Total ITEMS	\$8,668,655.56	
			CONTI	NGENCIES	25%	\$2,167,163.89	
	TOTAL PROJECT CONSTRUCTION COST						