Material And Force Account Estimate

Estimate Number: 104663 Version: 4

Standard Rates: Labor Additive = 234% WT Labor Additive = 189.42%

Estimate Good for 6 Months Until 05/16/18

Location: AUSTIN SUB, SIDE, 198.03-200.21

Description of Work: Kyle, TX - Austin Sub MP 198.03 to MP 200.15 - Kyle Siding Relocation - 20' Track Centers with (2) No. 15 Power Switches, No Access Road, and (3) Bridges - Does not include removal of existing Kyle Siding

Prepared For: 102343 30%

Buy America: No

COMMENTS	FACILITY	Description	QTY	UOM	UCST	LABOR	MATERIAL	TOTAL
ENGINEERING								
		Engineering	1	LS	300,000.00	300,000	0	300,000
		Contract Engineering	1	LS	300,000.00	0	300,000	300,000
Per Ted Haskell		Flagging	240	MD	1,200.00	288,000	0	288,000
					Sub-Total =	588,000	300,000	888,000
REAL ESTATE								
3.64 AC @ $12.50 per SF		Acquire Right of Way	1	LS	1,981,980.00	0	1,981,980	1,981,980
0.59 AC @ $1.25 per SF for TCE		Acquire Right of Way	1	LS	32,125.00	0	32,125	32,125
					Sub-Total =	0	2,014,105	2,014,105
TRACK CONSTRUCTION - COMPANY								
1 - LH	PPTO	PPTO 136# #15 PO W / XL SPRG FROG	1	EA	240,334.44	108,988	131,347	240,334
1 - RH	PPTO	PPTO 136# #15 PO W / XL SPRG FROG	1	EA	239,847.03	108,988	130,859	239,847
	TRACK	136# CWRIS0 24-8'6" PPHWD N 16 TP	191	TF	332.02	39,406	24,009	63,415
By Contractor	TRACK	136# CWRIS0 24-8'6" PPHWD N 16 TP	11056	TF	115.52	28,644	1,248,595	1,277,239
Burleson Rd MP 200.07 by Contractor	RDXING	RDXING 136# CON10W PP PAN COMPLETE	40	TF	361.27	0	14,451	14,451
CR 171 MP 198.11 by Contractor	RDXING	RDXING 136# CON10W PP PAN COMPLETE	104	TF	322.58	0	33,548	33,548
					Sub-Total =	286,026	1,582,809	1,868,834
TRACK REMOVAL - COMPANY								
	TO	Remove TO: #16	1	EA	10,651.77	10,652	0	10,652
	TRACK	Remove Track	523	TF	12.24	6,399	0	6,399
					Sub-Total =	17,051	0	17,051
TRACK CONSTRUCTION - CONTRACT								
		Mobilization - Track	1	LS	65,000.00	0	65,000	65,000
		Construct Track - Wood Ties	11056	TF	40.00	0	442,240	442,240
		Field Weld	18	EA	770.00	0	13,860	13,860
		Verse Test	11	EA	2,000.00	0	22,000	22,000
		Earthen Bumper	1	EA	500.00	0	500	500
Burleson Rd MP 200.07		Road Crossing - Construct	40	TF	200.00	0	8,000	8,000
CR 171 MP 198.11		Road Crossing - Construct	104	TF	200.00	0	20,800	20,800
					Sub-Total =	0	572,400	572,400
SITE WORK - CONTRACT								
		Mobilization	1	LS	250,000.00	0	250,000	250,000
		Storm Water Pollution Prevention Plan	1	LS	65,000.00	0	65,000	65,000
		Clearing and Grubbing	11.04	AC	8,000.00	0	88,320	88,320
		Grading: Excavation	22370	CY	14.00	0	313,180	313,180
		Aggregate - subballast - furnish, place	11646	CY	65.00	0	756,990	756,990
		Grading: Signal mound	2	EA	2,000.00	0	4,000	4,000
		Seeding - Hydro	3.82	AC	5,000.00	0	19,100	19,100
10% Grading		Subexcavation	2237	CY	11.00	0	24,607	24,607
10% Grading		Clean Fill for Sub-ex fur/plc	2237	CY	12.00	0	26,844	26,844
10% Grading		Aggregate - B stone supply and compact	2237	CY	50.00	0	111,850	111,850
10% Subballast Area		Geogrid - furnish and install	3494	SY	5.00	0	17,470	17,470
10% Subballast Area		Fabric: geotextile furn. & place	3494	SY	3.65	0	12,753	12,753
10% Subballast Area		Lime Stabilization, 6" plc, cmpct,	3494	SY	3.00	0	10,482	10,482
		Lime - Material - Furnish	62	TN	170.00	0	10,540	10,540
		Remove Fence	9550	LF	4.00	0	38,200	38,200
		Fence: 4S Barbed Wire	9438	LF	8.00	0	75,504	75,504
		Remove Signal Foundation	3	EA	1,500.00	0	4,500	4,500
Sta. 10651+25 to Sta. 10670+25 $100/SF of Face		Retaining wall	1	LS	1,023,450.00	0	1,023,450	1,023,450
		Survey Crew	5	DA	1,000.00	0	5,000	5,000
6 Pole Relocations, Burleson St, and FM 171 Crossing		Utility Relocations	1	LS	200,000.00	0	200,000	200,000
Burleson Rd MP 200.07		Traffic Control - Detour Signs & Coordination	1	LS	10,000.00	0	10,000	10,000
Burleson Rd MP 200.07		Asphalt: Saw Cut	56	LF	12.00	0	672	672
Burleson Rd MP 200.07		Asphalt - remove & dispose	561	SY	44.00	0	24,684	24,684
Burleson Rd MP 200.07		Crossing Aproach - Asphalt	534	SY	84.00	0	44,856	44,856

CR 171 MP 198.11		Traffic Control - Detour Signs & Coordination	1	LS	20,000.00	0	20,000	20,000
CR 171 MP 198.11		Asphalt: Saw Cut	54	LF	12.00	0	648	648
CR 171 MP 198.11		Asphalt - remove & dispose	778	SY	44.00	0	34,232	34,232
CR 171 MP 198.11		Concrete - Remove	168	SY	27.00	0	4,536	4,536
CR 171 MP 198.11		Crossing Aproach - Asphalt	542	SY	84.00	0	45,528	45,528
CR 171 MP 198.11		Concrete - Furnish and Place	180	SY	135.00	0	24,300	24,300
		Track Dispose	360	TF	20.00	0	7,200	7,200
		Wetland Mitigation	1	LS	100,000.00	0	100,000	100,000
					Sub-Total =	0	3,374,446	3,374,446

DRAINAGE - CONTRACT

6' x 6' Box culvert		Culvert: Remove	85	LF	20.00	0	1,700	1,700
MP 198.11		Drop Inlet - Remove	1	EA	1,000.00	0	1,000	1,000
MP 198.11		Culvert: CMP 48" - Furnish & Install	130	LF	230.00	0	29,900	29,900
MP 198.11		Headwall Type A - Construct	1	EA	5,250.00	0	5,250	5,250
MP 198.11		Curb Inlet	1	EA	7,000.00	0	7,000	7,000
MP 198.11		Culvert - Junction Box - construct	1	EA	10,000.00	0	10,000	10,000
MP 198.83 - FM 1626		Culvert: 24" CMP - Furnish & Install	210	LF	90.00	0	18,900	18,900
					Sub-Total =	0	73,750	73,750

ENVIRONMENTAL - CONTRACT

		Testing - Soil Contaminates	1	LS	30,000.00	30,000	0	30,000
					Sub-Total =	30,000	0	30,000

SIGNAL - COMPANY

Estimate #104743. No Contingency		Signal: Install	1	LS	2,053,304.00	0	2,053,304	2,053,304
					Sub-Total =	0	2,053,304	2,053,304

BRIDGE - COMPANY

MP 199.68 Siding Bridge		PCB (61-120')	70	LF	6,000.00	0	420,000	420,000
MP 199.27 Siding Bridge		PCB (61-120')	84	LF	6,000.00	0	504,000	504,000
MP 198.44 Siding Bridge		PCB: (60' or less)	40	LF	7,000.00	0	280,000	280,000
					Sub-Total =	0	1,204,000	1,204,000

EQUIPMENT RENTAL

$50k per Turnout		Equipment Rental	1	LS	100,000.00	0	100,000	100,000
					Sub-Total =	0	100,000	100,000

HOMELINE FREIGHT

		Homeline Freight	20308	Per Ton	8.75	0	177,696	177,696
					Sub-Total =	0	177,696	177,696

PROJECT LEVEL COST

	CONTINGENCIES	Contingency	20	%	123,735.87	184,215	2,290,502	2,474,717
					Sub-Total =	184,215	2,290,502	2,474,717
Total Wgt. in Tons = 20,308					Totals =	1,105,292.	3,743,012	14,848,304

Grand Total = $14,848,304

This is a "Shotgun" estimate, intended to provide a ballpark cost to determine whether a proposed project warrants further study. This estimate is not to be used for budget authority. This estimate is based on a conceptual design, without detailed engineering or site investigation. Quantities and costs are estimated using readily available information and experience with similar projects. Site conditions and changes in project scope and design may result in significant cost variance.