

EXHIBIT D-1
ESTIMATED MAN-HOUR BREAKDOWN

MILE 5 PROJECT
from Taylor Road to FM 2220 (Ware Road)

	MANHOURS								Sub-Contract Amounts / ROW COST	TOTAL LINE ITEM COST		
	Senior Project Manager	Senior Engineer	Senior Environmental Scientist /Specialist	Project Engineer	Senior Engineer Tech	CADD Operator / GIS Analyst	Admin / Clerical	TOTAL HOURS				
CONTRACT RATE	211.40	175.16	147.98	129.86	96.64	66.44	60.40					
WORK AUTHORIZATION NO. 1												
PHASE I - EA, PUBLIC INVOLVEMENT, SCHEMATIC, HYDROLOGIC DESIGN												
1	Environmental Document with TxDOT	70		250	250		116.0	98.593	784.593		\$ 97,920.06	
2	Public Involvement with stakeholders and 1 Public Meeting	60		194	80		70.0	19.343	423.343		\$ 57,600.04	
3	Archeological and Historical Research (See Page 2 & 2 for Sub Cost)			100	20		24.7		144.701	\$ 5,964.00	\$ 19,036.33	
4	Engineering Technical Support at Public Meetings with Layouts, etc.	40		60	86		60.2	20.655	266.855		\$ 33,750.01	
5	Schematic for Roadway	100	100		200	146.000	85.0	20.120	651.120		\$ 85,600.09	
6	Hydrological Map for 1 Ditch & Irrigation Structure	40	60		205	261.250	180.0	19.980	766.230		\$ 84,000.09	
7	Schematic Design for 3-8x8 Siphon with 48" Steel Pipe Bypass for Irrig Dist. #1	40	70		230	261.250	195.0	20.067	816.317		\$ 90,000.05	
8	Office Surveys for Schematic	30	26		100	107.312	100.0	18.265	381.577		\$ 42,000.00	
9	Preliminary Compensable Utility Identification on Schematic	38	26		120	165.312	140.0	9.141	498.453		\$ 54,000.03	
10	Update Schematic based on comments as provided by TxDOT/FHWA	9	5		70	101.000	116.0	10.989	311.989		\$ 30,000.02	
11	Engineering Technical Support at Public Hearing with Layouts, etc.	38	35	58	64		52.0	24.627	271.627		\$ 36,000.03	
12	Public Involvement for 1 Public Hearing	56	14	75	50		55.0	7.678	257.678		\$ 36,000.09	
SUB-TOTAL		521	336	737	1475	1042.12	1193.90	269.46	5574.48	\$ 5,964.00	\$ 665,906.83	
									Sub-Total Manhours Fee with Subconsultant Fee:		\$	671,870.83
									* TOTAL PROJECT FEE:		\$	671,870.00

* Rounded Figure