



Encroachment Project - Budget Estimate

Project: DB 7070-City of New Braunfels-Rd Improv-Alves Ln

AFE No.: A26656

Date: 12/13/16

Inspect, recoat and installation load bearing pipeline protection slab and inspect, recoat and move vent pipeline on both ends of 30" Line ID 177 and 20" Line ID 9033-1

Location: Alves Ln, City of New Braunfels, TX

Revised: 1

Owner: Enterprise Products Operating LLC
Operator: Enterprise Products Operating LLC

By: Evelyn Choong-Mcnealy

Reimbursable: Yes - 100% cost to City of New Braunfels

ROUNDED							
CODE	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT	SUB TOTAL	SUB TOTAL
905	OUTSIDE ENGINEERING/SURVEY SERVICES Engineering/Drafting (2 slab design and drawings) Survey	1	ea	\$40,000	\$40,000		
		3	daily	\$2,000	\$6,000	\$46,000	\$46,000
907	OUTSIDE INSPECTION SERVICES Inspector - 1 inspector COR - 1 COR	30	days	\$1,100	\$33,000		
		24	days	\$1,100	\$26,400	\$59,400	\$59,000
908	EPCO ENGINEERING & INSPECTION Field Engineering - Project Manager Encroachment Analyst / Engineer Project Services / Support	120	hours	\$165	\$19,800		
		40	hours	\$150	\$6,000		
		40	hours	\$75	\$3,000	\$28,800	\$29,000
951	LAND & P/L RIGHT OF WAYS Easement Damages	1	ea	\$15,000	\$15,000	\$15,000	\$15,000
953	ROW SERVICES Right-of-Way Agent	60	hours	\$125	\$7,500	\$7,500	\$8,000
965	ENVIRONMENTAL MITIGATION	1	Each	\$5,000	\$5,000	\$5,000	\$5,000
983	OPS & MAINT DEPT ASSISTANCE O&M Supervisor/COM Corrosion Tech. Operations Tech.	8	Hours	\$100	\$800		
		24	Hours	\$100	\$2,400		
		24	Hours	\$100	\$2,400	\$5,600	\$6,000
985	HOME OFFICE & TRAVEL Mileage, meals, air fare etc.	1	lot	\$1,500	\$1,500	\$1,500	\$2,000
987	GEN CONST CONTRACTS General Pipeline Contractor Contract Inspection - NDE Installation of pipeline protection slab on 20" (Line 9033-1) and 30" (Line 177) Inspect, recoat and move vent pipe for 20" pipeline (Line 9033-1) and 30" pipeline (Line 177) Misc. Taxes	5	Daily	\$2,000	\$10,000		
		1	Each	\$160,000	\$160,000		
		1	Each	\$45,000	\$45,000		
		0.00%	of	\$215,000	\$0		
		8.63%	of	\$215,000	\$18,544	\$233,544	\$234,000
	SUB TOTAL					\$402,344	\$404,000
988	CONTINGENCY	15%	of	\$404,000	\$60,600	\$60,600	\$61,000
989	CONSTRUCTION OVERHEAD	15%	of	\$464,600	\$69,690	\$69,690	\$70,000
	GRAND TOTAL					\$532,634	\$535,000

Notes:

- 1) Fair to good weather.
- 2) Temporary work space will be required to complete work at Floating Star Channel. Temporary work space for work at Alves Ln will be solely contained within the easement and EP feed properties and the City's properties. Allocated some budget for damages to residential housing since it is right next to houses.
- 3) Cost estimate is based on one mobilization/demobilization to complete the relocation
- 4) Construction overhead is the percentage by which direct expenses are multiplied to recover internal labor, supervision, management, pipeline overhead, corporate overhead, and cost of capital for company employees not directly charging to the project.
- 5) No construction interruptions by any other landowner during constructions

Approved	\$98,000
Addendum	\$437,000