

Cost Calculation by Precinct

Pct # 1 - GRAVEL * DOES NOT UTILIZE

Vendor-1--UPPER VALLEY MATERIALS

Location: Penitas	FUEL		MATERIALS		MANPOWER			Total Cost	DISTANCE	Avg Cost
	Gallons	Cost/ Gallon	Qty Tons	Unit Cost/Ton	Time Minutes	Cost/Hour	Hours			
Miles Round Trip								Aggregate	Miles	Per Mile
Miles Round Trip									85	
Material Tons			15	\$ 46.00				\$ 690.00		
Fuel Usage (Round Trip) Gallons	18	\$ 1.60						\$ 28.80		
Hourly Wage					94	\$ 17.00	1.35	\$ 22.95		
TOTAL								\$ 741.75		\$ 8.73

Vendor-2--VALLEY CALICHE PRODUCTS

Location: Mission	Fuel		Materials		Manpower			Total Cost	Distance	Avg Cost
	Gallons	Cost/ Gallon	Qty Tons	Unit Cost/Ton	Time Minutes	Cost/Hour	Hours			
Miles Round Trip								Aggregate	Miles	Per Mile
Miles Round Trip									82	
Material Tons			15	\$ 44.78				\$ 671.70		
Fuel Usage (Round Trip) Gallons	18	\$ 1.60						\$ 28.80		
Hourly Wage					96	\$ 17.00	1.5	\$ 25.50		
TOTAL								\$ 726.00		\$ 8.85

Vendor-3-- FRONTERA MATERIALS

Location: La Joya	Fuel		Materials		MANPOWER			Total Cost	Distance	Avg Cost
	Gallons	Cost/ Gallon	Qty Tons	Unit Cost/Ton	Time Minutes	Cost/Hour	Hours			
Miles Round Trip								Aggregate	Miles	Per Mile
Miles Round Trip									84	
Material Tons			15	\$ 48.50				\$ 727.50		
Fuel Usage (Round Trip) Gallons	18	\$ 1.60						\$ 28.80		
Hourly Wage					92	\$ 17.00	1.3	\$ 22.10		
TOTAL								\$ 778.40		\$ 9.27

Vendor-4-- TERRA FIRMA MATERIALS

Location: La Joya	Fuel		Materials		MANPOWER			Total Cost	Distance	Avg Cost
	Gallons	Cost/ Gallon	Qty Tons	Unit Cost/Ton	Time Minutes	Cost/Hour	Hours			
Miles Round Trip								Aggregate	Miles	Per Mile
Miles Round Trip									95	
Material Tons			15	\$ 44.25				\$ 663.75		
Fuel Usage (Round Trip) Gallons	20	\$ 1.60						\$ 32.00		
Hourly Wage					118	\$ 17.00	2	\$ 34.00		
TOTAL								\$ 729.75		\$ 7.68

\$3.75 difference from Valley Cal.

- Notes:**
- 1.) When considering cost per mile the best option for Pct # 1 would seem to be TERRA FIRMA MATERIALS.
 - 2.) The lowest number of miles from point A to point B is favorable to VALLEY CALICHE PRODUCTS.
 - 3.) The lowest cost on the gravel for the same number of tons is also favorable to TERRA FIRMA
 - 4.) If we consider only the cost per ton, the cost of \$44.25 per ton favors TERRA FIRMA MAT.

Recommendation: Taking into consideration the total number of miles from point A to point B and the total cost on the gravel, the best option in this case would be VALLEY CALICHE PRODUCTS with \$ 3.75 from TERRA FIRMA

Pct # 2 - GRAVEL *

Vendor-1--Upper Valley Materials

	Fuel		Materials		MANPOWER			Total Cost Aggregate	Distance	Avg Cost Per Mile
	Gallons	Cost/ Gallon	Qty Tons	Unit Cost/Ton	Time Minutes	Cost/Hour	Hours		Miles	
Location: Penitas Plant										
Miles Round Trip									48	
Material Tons			15	\$ 46.00				\$ 690.00		
Fuel Usage (Round Trip) Gallons	7	\$ 1.70						\$ 11.90		
Hourly Wage					76	\$ 19.28	1.25	\$ 24.10		
TOTAL								\$ 726.00		\$ 15.13

Vendor-2--Valley Caliche Products

	Fuel		Materials		MANPOWER			Total Cost Aggregate	Distance	Avg Cost Per Mile
	Gallons	Cost/ Gallon	Qty Tons	Unit Cost/Ton	Time Minutes	Cost/Hour	Hours		Miles	
Location: Mission Pit										
Miles Round Trip									46	
Material Tons			15	\$ 44.78				\$ 671.70		
Fuel Usage (Round Trip) Gallons	6.6	\$ 1.70						\$ 11.22		
Hourly Wage					72	\$ 19.28	1.25	\$ 24.10		
TOTAL								\$ 707.02		\$ 15.37

Vendor-3-- FRONTERA MATERIALS

	FUEL		MATERIALS		MANPOWER			Total Cost Aggregate	DISTANCE	Avg Cost Per Mile
	Gallons	Cost/ Gallon	Qty Tons	Unit Cost/Ton	Time Minutes	Cost/Hour	Hours		Miles	
Location: La Joya Plant										
Miles Round Trip									52	
Material Tons			15	\$ 48.50				\$ 727.50		
Fuel Usage (Round Trip) Gallons	7.4	\$ 1.70						\$ 12.58		
Hourly Wage					80	\$ 19.28	1.5	\$ 28.92		
TOTAL								\$ 769.00		\$ 14.79

Vendor-4-- TERRA FIRMA MATERIALS

	FUEL		MATERIALS		MANPOWER			Total Cost Aggregate	DISTANCE	Avg Cost Per Mile
	Gallons	Cost/ Gallon	Qty Tons	Unit Cost/Ton	Time Minutes	Cost/Hour	Hours		Miles	
Location: La Joya Plant										
Miles Round Trip									58	
Material Tons			15	\$ 44.25				\$ 663.75		
Fuel Usage (Round Trip) Gallons	7	\$ 1.70						\$ 11.90		
Hourly Wage					92	\$ 19.28	1.5	\$ 28.92		
TOTAL								\$ 704.57		\$ 12.15

\$ 2.45 Difference from Valley Caliche Materials

- Notes:**
- 1.) When considering cost per mile the best option for Pct # 2 would seem to be **TERRA FIRMA MATERIALS**.
 - 2.) The lowest number of miles from point A to point B is favorable to **VALLEY CALICHE MATERIALS**.
 - 3.) The lowest cost on the gravel for the same number of tons is also favorable to **TERRA FIRMA MATERIALS**.
 - 4.) If we consider only the cost per ton, the cost of \$44.25 per ton favors **TERRA FIRMA MATERIALS**.

Recommendation: Taking into consideration the total number of miles from point A to point B and the total cost on the gravel, the best option in this case would be **VALLEY CALICHE PRODUCTS** with A \$ 2.45 difference from **TERRA FIRMA**

Cost Calculation by Precinct
Pct # 3 - GRAVEL *

Vendor-1 UPPER VALLEY MATERIALS

Location: PENITAS	FUEL		MATERIALS		MANPOWER			DISTANCE		
	Gallons	Cost/ Gallon	Qty/ TONS	Unit Cost/Ton	Time minutes	Cost/Hour	Hours	Total Cost Aggregate	MILES	Avg Cost Per Mile
Miles Round Trip									12	
Material Tons			14	\$ 46.00				\$ 644.00		
Fuel Usage (Round Trip) Gallons	2.5	\$ 1.70						\$ 4.25		
Hourly Wage					18	\$ 16.32	0.5	\$ 8.16		
TOTAL								\$ 656.41		\$ 54.70

Vendor-2 VALLEY CALICHE PRODUCTS

Location: Mission	FUEL		MATERIALS		MANPOWER			DISTANCE		
	Gallons	Cost/ Gallon	Qty Tons	Unit Cost/Ton	Time Minutes	Cost/Hour	Hours	Total Cost Aggregate	MILES	Avg Cost Per Mile
Miles Round Trip									9	
Material Tons			14	\$ 44.78				\$ 626.92		
Fuel Usage (Round Trip) Gallons	2	\$ 1.70						\$ 3.40		
Hourly Wage					12	\$ 16.32	0.25	\$ 4.08		
TOTAL								\$ 634.40		\$ 70.49

Vendor-3 FRONTERA MATERIALS

Location: La Joya	FUEL		MATERIALS		MANPOWER			Distance		
	Gallons	Cost/ Gallon	Qty Tons	Unit Cost/Ton	Time Minutes	Cost/Hour	Hours	Total Cost Aggregate	MILES	Avg Cost Per Mile
Miles Round Trip									17	
Material Tons			14	\$ 48.50				\$ 679.00		
Fuel Usage (Round Trip) Gallons	5	\$ 1.70						\$ 8.50		
Hourly Wage					22	\$ 16.32	0.5	\$ 8.16		
TOTAL								\$ 695.66		\$ 40.92

Vendor-4 TERRA FIRMA MATERIALS

Location: Havana	FUEL		MATERIALS		MANPOWER			Distance		
	Gallons	Cost/ Gallon	Qty Tons	Unit Cost/Ton	Time Minutes	Cost/Hour	Hours	Total Cost Aggregate	MILES	Avg Cost Per Mile
Miles Round Trip									31	
Material Tons			14	\$ 44.25				\$ 619.50		
Fuel Usage (Round Trip) Gallons	8	\$ 1.70						\$ 13.60		
Hourly Wage					45	\$ 16.32	0.75	\$ 12.24		
TOTAL								\$ 645.34		\$ 20.82

\$ 10.94 difference from Valley Caliche

- Notes: 1.) When considering cost per mile the best option for Pct # 3 would seem to be **TERRA FIRM MAT.**
2.) The lowest number of miles from point A to point B is favorable to **VALLEY CALICHE PRODUCTS**
3.) The lowest cost on the gravel for the same number of tons is also favorable to **TERRA FIRMA MATERIALS.**
4.) If we consider only the cost per ton, the cost of \$44.25 per ton favors **TERRA FIRMA MATERIALS.**

Recommendation: Taking into consideration the total number of miles from point A to point B and the Total cost of the gravel,
the best option in this case would be **VALLEY CALICHE PRODUCTS** with \$ 10.94 difference from **TERRA FIRMA**

Cost Calculation by Precinct

Pct # 4 - GRAVEL - Does not utilize*

Vendor-1 UPPER VALLEY MATERIALS

	FUEL		MATERIALS		MANPOWER				Distance	
Location: Penitas	Cost/		Qty	Unit	Time			Total Cost		Avg Cost
	Gallons	Gallon	Tons	Cost/Ton	Minutes	Cost/Hour	Hours	Aggregate	Miles	Per Mile
Miles Round Trip									59	
Material Tons			15	\$ 46.00				\$ 690.00		
Fuel Usage (Round Trip) Gallons	15	\$ 1.67						\$ 25.05		
Hourly Wage					70	\$ 21.52	1.25	\$ 26.90		
TOTAL								\$ 741.95		\$ 12.58

Vendor-2 VALLEY CALICHE MATERIAL

	FUEL		MATERIALS		MANPOWER				Distance	
Location: Mission	Cost/		Qty	Unit	Time			Total Cost		Avg Cost
	Gallons	Gallon	Tons	Cost/Ton	Minutes	Cost/Hour	Hours	Aggregate	Miles	Per Mile
Miles Round Trip									56	
Material Tons			15	\$ 44.78				\$ 671.70		
Fuel Usage (Round Trip) Gallons	12	\$ 1.67						\$ 20.04		
Hourly Wage					70	\$ 21.52	1.25	\$ 26.90		
TOTAL								\$ 718.64		\$ 12.83

Vendor-3 FRONTERA MATERIALS

	FUEL		MATERIALS		MANPOWER				Distance	
Location: La Joya	Cost/		Qty	Unit	Time			Total Cost		Avg Cost
	Gallons	Gallon	Tons	Cost/Ton	Minutes	Cost/Hour	Hours	Aggregate	Miles	Per Mile
Miles Round Trip									60	
Material Tons			15	\$ 48.50				\$ 727.50		
Fuel Usage (Round Trip) Gallons	15	\$ 1.67						\$ 25.05		
Hourly Wage					76	\$ 21.52	1.25	\$ 26.90		
TOTAL								\$ 779.45		\$ 12.99

Vendor-4 TERRA FIRMA MATERIALS

	FUEL		MATERIALS		MANPOWER				Distance	
Location: Havana	Cost/		Qty	Unit	Time			Total Cost		Avg Cost
	Gallons	Gallon	Tons	Cost/Ton	Minutes	Cost/Hour	Hours	Aggregate	Miles	Per Mile
Miles Round Trip									69	
Material Tons			15	\$ 44.25				\$ 663.75		
Fuel Usage (Round Trip) Gallons	15	\$ 1.67						\$ 25.05		
Hourly Wage					90	\$ 21.52	1.5	\$ 32.28		
TOTAL								\$ 721.08		\$ 10.45

\$ 2.44 difference from Valley Caliche

- Notes:**
- 1.) When considering cost per mile the best option for Pct # 4 would seem to be TERRA FIRMA
 - 2.) The lowest number of miles from point A to point B is favorable to VALLEY CALICHE MATERIALS
 - 3.) The lowest cost on the gravel for the same number of tons is also favorable to TERRA FIRMA MATERIALS.
 - 4.) If we consider only the cost per ton, the cost of \$44.25 per ton favors TERRA FIRM MATERIAL

Recommendation: Taking into consideration the total number of miles from point A to point B and the total cost on the gravel, the best option in this case would be VALLEY CALICHE PROD. with \$ 2.44 difference from Terra Firma Mat.