

COST ESTIMATING - MCACES

Mon 19 Aug 2002
Eff. Date 05/12/00

Tri-Service Automated Cost Engineering System (TRACES)
PROJECT TANQUE: Tanque Verde
Template

TIME 16:06:08
TITLE PAGE 1

Tanque Verde

Designed By: TTISG
Estimated By: Mike Gorecki

Prepared By: ED-TB-CE

Preparation Date: 05/12/00
Effective Date of Pricing: 05/12/00
Est Construction Time: 360 Days

Sales Tax: 0.0%

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Release 1.2

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CONTINGENCIES

Tri-Service Automated Cost Engineering System (TRACES)
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TITLE PAGE 2

Note No. 1 - M,D,CA&F includes the following. 3% for Mobilization, 6% for Design Engineering, and 15% for Construction Administration & Field Inspection

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SETTINGS PAGE 1

*** PROJECT SETTINGS ***

ESTIMATE TYPE : A-Crews with Auto Reprice

SALES TAX : 0.0%

DATE OF ESCALATION SCHEDULE : 05/12/00

PROJECT DIRECT COST COLUMNS

Col Type	H	L	E	M	U
Rep Width	8	9	9	9	8
Title	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER

PROJECT INDIRECT COST COLUMNS

Col Type	O	U	P	B	X
Rep Width	12	12	12	12	0
Title	OVERHEAD	HOME OFC	PROFIT	BOND	<Unused>

PROJECT OWNER COST COLUMNS

Col Type	C	U	X	X	X
Rep Width	12	12	0	0	0
Title	CONTINGN	M,D,CA&F	<Unused>	<Unused>	<Unused>

PROJECT BREAKDOWN

PROJECT ID	Length	Trail Sep	Level Title	2nd View Order
Level 1 ID :	4	.	Scope	1
Level 2 ID :	3	.	Facility	2
Level 3 ID :	2	.	System	3
Level 4 ID :	2	.	SubSystem	0
Level 5 ID :	2	.	Assm Cat	0
Level 6 ID :	2	.	Assembly	0

Owner Cost Level : 1

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SETTINGS PAGE 2

*** PROJECT SETTINGS ***

2ND VIEW COLUMNS

Quantity Column Width : 10

Col Type	E	X	X	X	X
Rep Width	25	0	0	0	0
Title	ESC COST	(Unused)	(Unused)	(Unused)	(Unused)

Shadow	L	X	X	X	X
--------	---	---	---	---	---

DETAIL REPORT FORMATTING

PAGE OPTIONS Page Break Levels : 0
 Table of Contents Levels : 6

0 1 2 3 4 5 6 7

ROW OPTIONS Print Titles at Levels : Y Y Y Y Y Y
 Print Totals at Levels : Y Y Y Y Y Y
 Print Notes at Levels : Y Y Y Y Y Y Y Y
 Print Unit Cost Row : N
 Print Page Footer : Y
 Show Cost Codes : Y

COLUMNS OPTIONS Print Crew Id : Y
 Crew Output : Y
 Unit Cost : Y

UPB TITLES No. of Levels to Print : 0
 Bracket Titles With : N N
 Include titles Notes : N

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*** PROJECT SETTINGS ***

OTHER REPORT FORMATTING

COLUMN TITLES FOR SUMMARY REPORTS

Column 1 OVERHEAD : Contractor's Overhead
Column 2 HOME OFC : Home Office Expense
Column 3 PROFIT : Contractor's Profit
Column 4 BOND : Contractor's Bond
Column 5 <Unused> :

Column 1 CONTINGN : Contingency
Column 2 M,D,CA&P : Mob., Design, and Const. Admin
Column 3 <Unused> :
Column 4 <Unused> : (Unused)
Column 5 <Unused> : (Unused)

STANDARD COLUMN WIDTHS

SUMMARY FEATURES

Quantity Columns : 10	Round Totals Column : T-Tens
Total cost Columns : 12	Contingency Notes : Yes
Unit Cost Columns : 10	Show Project Totals : Yes

SPECIAL REPORT FORMATTING OPTIONS

First Alternate ID : (None)
Show Markup at Level : 0
Display Indirect/Owner Markup as : A - Unit Costs Only
CSI Sort at Level : (None)

*** PROJECT SETTINGS ***

REPORT SELECTION

Project Settings : Y Profit Guidelines : N
Contractor Settings : N
Link Listing : N Measurement Units : Original

REPORT FORMAT TYPE				FOR LEVEL (S)						
	Direct	Indirect	Owner	0	1	2	3	4	5	6
Detail :	Y									
Project :	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Contractor :	N	N		N	N	N	N	N	N	N
Division :	N	N	N	N	N	N	N	N	N	N
System :	N	N	N	N	N	N	N	N	N	N
2nd View :	N									
Crew :	N			N	N	N	N	N	N	N
Labor :	N									
Equipment :	N									
Prime Labor Cost Level :	N									

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SETTINGS PAGE 5

** OWNER, OVERTIME, AND ADJUSTMENTS SETTINGS **

				ESCALATN DATE		*ESCALATN INDEX*	
				AMOUNT	PERCENT	BEGIN	END

01 Diversion and Control of Water							
Contingency	P	20.00					
Mob., Design, and Const. Admin	P	24.00					
02 Clearing and Grubbing							
Contingency	P	20.00					
Mob., Design, and Const. Admin	P	24.00					
03 Removal of Structures and Obstru							
Contingency	P	20.00					
Mob., Design, and Const. Admin	P	24.00					
06 Dewatering							
Contingency	P	20.00					
Mob., Design, and Const. Admin	P	24.00					
10 Drainage Excavation							
Contingency	P	20.00					
Mob., Design, and Const. Admin	P	24.00					
12 Compacted Fill							
Contingency	P	20.00					
Mob., Design, and Const. Admin	P	24.00					
15 Soil Cement							
Contingency	P	20.00					
Mob., Design, and Const. Admin	P	24.00					
18 Pozzolan, For Soil Cement							
Contingency	P	20.00					
Mob., Design, and Const. Admin	P	24.00					
20 Miscellaneous							
Contingency	P	20.00					
Mob., Design, and Const. Admin	P	24.00					
25 Right of Way							
Contingency	P	0.00					
Mob., Design, and Const. Admin	P	0.00					
30 Mitigation							
Contingency	P	0.00					
Mob., Design, and Const. Admin	P	0.00					

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 DETAILED ESTIMATE

Tri-Service Automated Cost Engineering System (TRACES)
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 01. Diversion and Control of Water

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 DETAIL PAGE 1

		QUANTITY	UOM	CREW ID	OUTPUT	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
TOTAL Diversion and Control						0	0	0	0	40,000	40,000	
TOTAL Clearing and Grubbing						0	0	0	0	20,000	20,000	
TOTAL Removal of Structures						0	0	0	0	20,000	20,000	
TOTAL Dewatering						0	0	0	0	40,000	40,000	20000.00
10. Drainage Excavation												
USR	Excavate	29000	CY		0.00	0	0	0	0	87,000	87,000	3.00
TOTAL Drainage Excavation						0	0	0	0	87,000	87,000	87000.00
12. Compacted Fill												
USR	Backfill, dozer, compacted	29000	CY		0.00	0	0	0	0	101,500	101,500	3.50
TOTAL Compacted Fill						0	0	0	0	101,500	101,500	101500.00
TOTAL Soil Cement						0	0	0	0	573,300	573,300	573300.00
18. Pozzolan, For Soil Cement												
M USR	Pozzolan, plain, trucked in bulk	12500	TON	N/A	0.00	0	0	0	1375000	0	1,375,000	110.00
TOTAL Pozzolan, For Soil Ce						0	0	0	1375000	0	1,375,000	110.00
20. Miscellaneous												
M RSM	Railing, pipe, aluminum, 2 rail, satin finish, 1.25" dia	8250.00	LF	SIWSE4	20.00	1,650	69,849	4,145	24,998	0	98,992	12.00
Modified per discussion to reflect unit price of Railing												
TOTAL Miscellaneous						1,650	69,849	4,145	24,998	0	98,992	98991.75
25. Right of Way												
TOTAL Right of Way						0	0	0	0	295,610	295,610	
TOTAL Right of Way						0	0	0	0	295,610	295,610	

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30. Mitigation

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DETAIL PAGE 2

QUANTY	UOM	CREW ID	OUTPUT	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST UNIT COST

30. Mitigation									
TOTAL Mitigation Land			0	0	0	0	780,560		780,560

TOTAL Mitigation			0	0	0	0	780,560		780,560

TOTAL Tanque Verde	1.00	EA	1,650	69,849	4,145	1399998	1957970	3,431,962	3431962

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PROJECT TANQUE: Tanque Verde

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SUMMARY PAGE 1

** PROJECT OWNER SUMMARY - Scope (Rounded to 10's) **

	QUANTITY UOM	CONTRACT	CONTINGN	M,D,CA&F	TOTAL COST	UNIT COST	NOTES
01 Diversion and Control of Water		40,000	8,000	11,520	59,520		1
02 Clearing and Grubbing		20,000	4,000	5,760	29,760		1
03 Removal of Structures and Obstru		20,000	4,000	5,760	29,760		1
06 Dewatering	2.00 EA	40,000	8,000	11,520	59,520	29760.00	1
10 Drainage Excavation	1.00 EA	87,000	17,400	25,060	129,460	129456.00	1
12 Compacted Fill	1.00 EA	101,500	20,300	29,230	151,030	151032.00	1
15 Soil Cement	1.00 EA	573,300	114,660	165,110	853,070	853070.40	1
18 Pozzolan, For Soil Cement	12500.00 TON	1,375,000	275,000	396,000	2,046,000	163.68	1
20 Miscellaneous	1.00 EA	98,990	19,800	28,510	147,300	147299.72	1
25 Right of Way		295,610	0	0	295,610		
30 Mitigation		780,560	0	0	780,560		
TOTAL Tanque Verde	1.00 EA	3,431,960	471,160	678,470	4,581,590	4581588	

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Tri-Service Automated Cost Engineering System (TRACES)

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PROJECT TANQUE: Tanque Verde

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SUMMARY PAGE 2

** PROJECT OWNER SUMMARY - Facility (Rounded to 10's) **

		QUANTITY UOM	CONTRACT	CONTINGN	M,D,CA&F	TOTAL COST	UNIT COST	NOTES
01	Diversion and Control of Water		40,000	8,000	11,520	59,520		1
02	Clearing and Grubbing		20,000	4,000	5,760	29,760		1
03	Removal of Structures and Obstru		20,000	4,000	5,760	29,760		1
06	Dewatering	2.00 EA	40,000	8,000	11,520	59,520	29760.00	1
10	Drainage Excavation	1.00 EA	87,000	17,400	25,060	129,460	129456.00	1
12	Compacted Fill	1.00 EA	101,500	20,300	29,230	151,030	151032.00	1
15	Soil Cement	1.00 EA	573,300	114,660	165,110	853,070	853070.40	1
18	Pozzolan, For Soil Cement	12500.00 TON	1,375,000	275,000	396,000	2,046,000	163.68	1
20	Miscellaneous	1.00 EA	98,990	19,800	28,510	147,300	147299.72	1
25	Right of Way							
25. 5	Right of Way		295,610	0	0	295,610		
TOTAL Right of Way			295,610	0	0	295,610		
30	Mitigation							
30. 5	Mitigation Land		780,560	0	0	780,560		
TOTAL Mitigation			780,560	0	0	780,560		
TOTAL Tanque Verde		1.00 EA	3,431,960	471,160	678,470	4,581,590	4581588	

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PROJECT TANQUE: Tanque Verde
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SUMMARY PAGE 3

** PROJECT INDIRECT SUMMARY - Scope (Rounded to 10's) **

		QUANTITY UOM	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
01	Diversion and Control of		40,000	0	0	0	0	40,000	
02	Clearing and Grubbing		20,000	0	0	0	0	20,000	
03	Removal of Structures and		20,000	0	0	0	0	20,000	
06	Dewatering	2.00 EA	40,000	0	0	0	0	40,000	20000.00
10	Drainage Excavation	1.00 EA	87,000	0	0	0	0	87,000	87000.00
12	Compacted Fill	1.00 EA	101,500	0	0	0	0	101,500	101500.00
15	Soil Cement	1.00 EA	573,300	0	0	0	0	573,300	573300.00
18	Pozzolan, For Soil Cement	12500.00 TON	1,375,000	0	0	0	0	1,375,000	110.00
20	Miscellaneous	1.00 EA	98,990	0	0	0	0	98,990	98991.75
25	Right of Way		295,610	0	0	0	0	295,610	
30	Mitigation		780,560	0	0	0	0	780,560	
TOTAL Tanque Verde		1.00 EA	3,431,960	0	0	0	0	3,431,960	3431962
Contingency								471,160	
SUBTOTAL								3,903,120	
Mob., Design, and Const. Admin								678,470	
TOTAL INCL OWNER COSTS								4,581,590	

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PROJECT TANQUE: Tanque Verde

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** PROJECT INDIRECT SUMMARY - Facility (Rounded to 10's) **

		QUANTITY UOM	DIRECT	OVERHEAD	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT COST
01	Diversion and Control of		40,000	0	0	0	0	40,000	
02	Clearing and Grubbing		20,000	0	0	0	0	20,000	
03	Removal of Structures and		20,000	0	0	0	0	20,000	
06	Dewatering	2.00 EA	40,000	0	0	0	0	40,000	20000.00
10	Drainage Excavation	1.00 EA	87,000	0	0	0	0	87,000	87000.00
12	Compacted Fill	1.00 EA	101,500	0	0	0	0	101,500	101500.00
15	Soil Cement	1.00 EA	573,300	0	0	0	0	573,300	573300.00
18	Pozzolan, For Soil Cement	12500.00 TON	1,375,000	0	0	0	0	1,375,000	110.00
20	Miscellaneous	1.00 EA	98,990	0	0	0	0	98,990	98991.75
25	Right of Way								
25.	5 Right of Way		295,610	0	0	0	0	295,610	
	TOTAL Right of Way		295,610	0	0	0	0	295,610	
30	Mitigation								
30.	5 Mitigation Land		780,560	0	0	0	0	780,560	
	TOTAL Mitigation		780,560	0	0	0	0	780,560	
	TOTAL Tanque Verde	1.00 EA	3,431,960	0	0	0	0	3,431,960	3431962
Contingency								471,160	
SUBTOTAL								3,903,120	
Mob., Design, and Const. Admin								678,470	
TOTAL INCL OWNER COSTS								4,581,590	

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PROJECT TANQUE: Tanque Verde

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SUMMARY PAGE 5

** PROJECT DIRECT SUMMARY - Scope (Rounded to 10's) **

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Diversion and Control of Water			0	0	0	0	40,000	40,000	
02 Clearing and Grubbing			0	0	0	0	20,000	20,000	
03 Removal of Structures and Obstru			0	0	0	0	20,000	20,000	
06 Dewatering	2.00	EA	0	0	0	0	40,000	40,000	20000.00
10 Drainage Excavation	1.00	EA	0	0	0	0	87,000	87,000	87000.00
12 Compacted Fill	1.00	EA	0	0	0	0	101,500	101,500	101500.00
15 Soil Cement	1.00	EA	0	0	0	0	573,300	573,300	573300.00
18 Pozzolan, For Soil Cement	12500.00	TON	0	0	0	1375000	0	1,375,000	110.00
20 Miscellaneous	1.00	EA	1,650	69,850	4,140	25,000	0	98,990	98991.75
25 Right of Way			0	0	0	0	295,610	295,610	
30 Mitigation			0	0	0	0	780,560	780,560	

TOTAL Tanque Verde	1.00	EA	1,650	69,850	4,140	1400000	1957970	3,431,960	3431962
Contingency								471,160	

SUBTOTAL								3,903,120	
Mob., Design, and Const. Admin								678,470	

TOTAL INCL OWNER COSTS								4,581,590	

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SUMMARY PAGE 6

** PROJECT DIRECT SUMMARY - Facility (Rounded to 10's) **

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT COST
01 Diversion and Control of Water			0	0	0	0	40,000	40,000	
02 Clearing and Grubbing			0	0	0	0	20,000	20,000	
03 Removal of Structures and Obstru			0	0	0	0	20,000	20,000	
06 Dewatering	2.00	EA	0	0	0	0	40,000	40,000	20000.00
10 Drainage Excavation	1.00	EA	0	0	0	0	87,000	87,000	87000.00
12 Compacted Fill	1.00	EA	0	0	0	0	101,500	101,500	101500.00
15 Soil Cement	1.00	EA	0	0	0	0	573,300	573,300	573300.00
18 Pozzolan, For Soil Cement	12500.00	TON	0	0	0	1375000	0	1,375,000	110.00
20 Miscellaneous	1.00	EA	1,650	69,850	4,140	25,000	0	98,990	98991.75
25 Right of Way									
25. 5 Right of Way			0	0	0	0	295,610	295,610	
TOTAL Right of Way			0	0	0	0	295,610	295,610	
30 Mitigation									
30. 5 Mitigation Land			0	0	0	0	780,560	780,560	
TOTAL Mitigation			0	0	0	0	780,560	780,560	
TOTAL Tanque Verde	1.00	EA	1,650	69,850	4,140	1400000	1957970	3,431,960	3431962
Contingency								471,160	
SUBTOTAL								3,903,120	
Mob., Design, and Const. Admin								678,470	
TOTAL INCL OWNER COSTS								4,581,590	

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ERROR REPORT

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ERROR PAGE 1

No errors detected...

* * * END OF ERROR REPORT * * *

SUMMARY REPORTS	SUMMARY PAGE
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DETAILED ESTIMATE	DETAIL PAGE
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01. Diversion and Control of Water.....	1
02. Clearing and Grubbing.....	1
03. Removal of Structures and Obstru.....	1
06. Dewatering.....	1
10. Drainage Excavation.....	1
12. Compacted Fill.....	1
15. Soil Cement.....	1
18. Pozzolan, For Soil Cement.....	1
20. Miscellaneous.....	1
25. Right of Way	
5. Right of Way.....	1
30. Mitigation	
5. Mitigation Land.....	2

No Backup Reports...

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