



**RADIO SHACK TRS-80™  
SOFTWARE LIBRARY**

# Concrete Take-Off

Cat. No. 26-1557

**Suggested Retail Price (may vary at individual stores and dealers) \$199.95**

## Description

Another of Radio Shack's TRS-80 application programs for specific industries! This program is designed to calculate foundation and structural cost estimates for contractors, architects and investors. This program includes material requirements, labor, man-hours and waste.

## Format

The program is supplied on one program diskette with one data diskette and manual in a deluxe three-ring binder.

## Minimum Equipment Requirements

- 16K Level II TRS-80 Computer System
- 16K Expansion Interface
- Two TRS-80 Model I Disk Drives
- 132 column Line Printer such as our Line Printer I or III

## Detailed Description

The Radio Shack Concrete Take-Off Program is adapted from the Orr System of Construction Cost Management. The Orr system is presently used throughout the world by contractors, architects, lenders, and owners in the construction industry.

Your first step will be to create a Cost File, which is an itemized list of all the costs involved in Concrete construction. Information requested includes:

- Cost per Unit of Measure and Waste fraction for different Classes of concrete
- Material costs for different operations such as Finish and Cure
- Wage Rates for a particular operation
- Man/Hours for a unit of measure in an operation
- Special Requirements Pricing

You can change or edit the Cost File as needed. After your Cost File has been established, you will then make a Bill of Quantities. In the bill of quantities you will be asked for information such as:

- Class of Concrete
- Element Code for what you are building
- Weight of Reinforcement
- Width, Length, and Height of element
- Quantity to be produced
- Any Supplemental Options required

After you have entered all of your quantity requirements, the computer will produce a final Bill of Quantities which includes labor and material costs for each element, Class of concrete, and a final Grand Total.

**Radio Shack®**

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# Sample Printout

\*\*\*\* CONCRETE PRICING \*\*\*\*

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR COST	MATERIAL COST	TOTAL COST	MAN-HRS
CLASS OF CONCRETE 2000						
GRADE BEAM						
CONCRETE	2.96	(CY)	0.00	100.49	100.49	0.00
PL CONC (GB)	2.96	(CY)	21.33	0.00	21.33	2.67
REINFORCING BAR	168.00	(LB)	0.00	28.22	28.22	0.00
PL REBAR (GB)	168.00	(LB)	14.45	0.00	14.45	1.34
FINISH & CURE	80.00	(SF)	8.06	3.20	11.26	0.80
SIDE FORM (GB)	160.00	(SF)	121.11	112.00	233.11	12.16
LINE & GRADE	80.00	(SF)	5.82	0.00	5.82	0.80
HAND EXCAVATION	8.89	(CY)	94.99	0.00	94.99	13.07
BACK FILL	5.93	(CY)	45.24	0.00	45.24	6.22
GRADE BEAM CLOSURE	160.00	(SF)	143.42	128.00	271.42	14.40
FOOTING, NEAT EX						
CONCRETE	2.37	(CY)	0.00	80.39	80.39	0.00
PL CONC (FN)	2.37	(CY)	9.48	0.00	9.48	1.19
REINFORCING BAR	134.40	(LB)	0.00	22.58	22.58	0.00
PL REBAR (FN)	134.40	(LB)	11.56	0.00	11.56	1.08
LINE & GRADE	128.00	(SF)	9.31	0.00	9.31	1.28
HAND EXCAVATION	2.37	(CY)	25.33	0.00	25.33	3.48
WAFFLE SLAB						
CONCRETE	8.22	(CY)	0.00	278.94	278.94	0.00
PL CONC (SS)	8.22	(CY)	52.64	0.00	52.64	6.58
REINFORCING BAR	466.35	(LB)	0.00	78.35	78.35	0.00
PL REBAR (SS)	466.35	(LB)	40.11	0.00	40.11	3.73
FINISH & CURE	256.00	(SF)	25.78	10.24	36.02	2.56
BOTTOM FORM (WS)	256.00	(SF)	286.72	153.60	440.32	35.84
RUB FINISH	32.00	(SF)	9.67	0.00	9.67	0.96
SANDBLASTING	409.60	(SF)	126.87	81.92	208.79	14.34
WMM 4X4-6/6	295.68	(SF)	9.31	35.48	44.80	0.89
STRUCTURAL SLAB						
CONCRETE	21.33	(CY)	0.00	723.52	723.52	0.00
PL CONC (SS)	21.33	(CY)	136.53	0.00	136.53	17.07
REINFORCING BAR	1612.80	(LB)	0.00	270.95	270.95	0.00
PL REBAR (SS)	1612.80	(LB)	138.70	0.00	138.70	12.90
FINISH & CURE	48.00	(SF)	4.83	1.92	6.75	0.48
SIDE FORM (SS)	384.00	(SF)	298.32	230.40	528.72	29.95
BOTTOM FORM (SS)	48.00	(SF)	38.40	33.60	72.00	4.80
SUBTOTAL CLASS - 2000						
			1677.99	2373.80	4051.79	188.58
GRAND TOTAL						
			1677.99	2373.80	4051.79	188.58