

DATA AND COST FOR ROAD WORK.

The following tables have been compiled by the Board of Highway Commissioners of the province of Saskatchewan for the use of municipalities engaged in road work. By their aid it will be easy to ascertain very closely what any particular piece of road grading should cost, and also the sizes and capacity of the culverts necessary.

Table of Cost Data for Roads.

1½ to 1 side slope and 16 feet road bed.				
Fill in foot	Cost per cubic yard cents.	Number of cubic yards per 100 feet length.	Price per 100 feet.	Lenth of culvert
1 foot	18 cents.	65 cubic yards	\$11.70	19 feet
"	20 "	"	13.00	"
"	25 "	"	16.25	"
"	30 "	"	19.30	"
"	35 "	"	22.75	"
2 feet	18 cents.	141 cubic yards	\$25.38	22 feet
"	20 "	"	28.30	"
"	25 "	"	35.28	"
"	30 "	"	42.30	"
"	35 "	"	49.35	"
3 feet	18 cents.	228 cubic yards	\$41.04	25 feet
"	20 "	"	45.60	"
"	25 "	"	57.00	"
"	30 "	"	68.40	"
"	35 "	"	79.80	"
4 feet	18 cents	326 cubic yards	\$58.68	28 feet
"	20 "	"	65.20	"
"	25 "	"	81.50	"
"	30 "	"	97.80	"
"	35 "	"	114.10	"
5 feet	18 cents.	435 cubic yards	\$78.30	32 feet
"	20 "	"	87.00	"
"	25 "	"	108.75	"
"	30 "	"	130.30	"
"	35 "	"	152.25	"
6 feet	18 cents.	556 cubic yards	\$100.08	36 feet
"	20 "	"	111.20	"
"	25 "	"	139.00	"
"	30 "	"	166.80	"
"	35 "	"	184.60	"
7 feet	18 cents.	687 cubic yards	\$123.66	39 feet
"	20 "	"	137.40	"
"	25 "	"	171.75	"
"	30 "	"	206.10	"
"	35 "	"	234.45	"
8 feet	18 cents.	830 cubic yards	\$149.40	42 feet
"	20 "	"	166.00	"
"	25 "	"	207.00	"
"	30 "	"	249.00	"
"	35 "	"	290.50	"
9 feet	18 cents.	983 cubic yards	\$175.94	45 feet
"	20 "	"	196.60	"
"	25 "	"	245.75	"
"	30 "	"	294.90	"
"	35 "	"	344.05	"
10 feet	18 cents.	1,148 cubic yards	\$206.65	48 feet
"	20 "	"	229.60	"
"	25 "	"	287.00	"
"	30 "	"	344.40	"
"	35 "	"	401.80	"

Culvert capacity table for corrugated iron pipe, assuming a maximum daily rainfall of 2½ inches and a slope of one in one hundred:—

Area of Land to be drained.		Size of Culvert required,		
Square miles	Acres	Diameter (inches)	Cross sectional area (in square feet)	Capacity (cubic feet per second)
.02	11	8	.349	.768
.03	20	10	.545	1.44
.05	34	12	.785	2.36
.10	61	15	1.227	4.35
.16	104	18	1.767	7.42
.35	226	24	3.142	16.67
.65	415	30	4.909	30.43
1.08	691	36	7.068	50.20
2.34	1,494	48	12.566	109.27
4.14	2,649	60	19.630	200.30
6.85	4,386	72	28.270	322.40
10.80	6,914	84	38.484	500.30

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