STATE HIGHWAY COMMISSION

Helena, Montana

AVERAGE UNIT CONTRACT PRICES FOR 1949

Item	Total Quantity	Total Cost	Average Unit Price	Unit
ROADWAY ITEMS				
Unclassified Excavation & Borrow	5,750,717	1,557,591 88	0.271	Cu Yd.
Borrow Excavation (In Place)	538,236	220 975 10	0.411	"
Overhaul (Sta Yd)	9,094,582	99,895 66	0 011	Sta Yd
Overhaul (Mi Yd)	591,743	101,184 80	0 171	Mi Yd.
Binder	18,952	2,908.40	0 153	Cu Yd.
Overhaul on Binder	42,856	4,288.72	0 100	Mi Yd.
Selected Borrow Base Course	1,240,550	1,081,224.70	0 872	Cu Yd.
Selected Gravel Material	8,319	23,709 15	2.85	"
Selected Surfacing Material, 2" Grading	19,448	13,613 60	0 70	"
Gravel Cushion Material in Underpass	136	1,360 00	10 00	"
Sand Base Material	84,207	119,651 60	1 42	"
Base Course Material 2" Grading B-2	49,010	50,689 00	1 034	Ton
Base Course Material 1½" " C-2	80 363	76,327 78	95	"
Type "A" Top Course Material 3/4" Max	485,684	622,055 73	1 281	"
Type "B" Top Course Material, 3/4" Max	213,547	218,926 66	1 025	"
Type "B" Top Course Material, 3/4" Max	20,000	22,800 00	1.140	Cu Yd.
Crushed Cover Material 1/2" Max	38,267	139,546 96	3 647	Ton
Stone Chips - Grading B	2,019	10,960 00	5.428	"
Sand Cover Material	2,528	7,584.00	3.000	Cu. Yd.
Stockpile - Type "A" Gravel, 3/4" Max.	3,100	3,850 00	1 242	Ton
" " " " 1/2" Max	2,825	6,100 00	2.159	"
" " "B" " 3/4" Max	5,450	5,182 50	951	"
" " " " 3/4" Max	10,000	10,600 00	1.06	Cu Yd.
Cover Course 1/2" Max.	13,049	30 039 13	2 302	Ton
Haul & Place State Furn Top Crs Gr	809	1,213 50	1.50	"
" " " " " Base Course	1,703	2,128 75	1 25	"
" " " " "B" Cover Course	258	387.00	1.50	"
" " " " Grading B Chips	4,569	12,654.60	2.77	"
Plant Mix Bituminous Surfacing 3/4" Agg	79,401	329,356 80	4.148	Ton
" " " " " Sand "	18,724	84,258 00	4.50	"
Asphaltic Concrete Pavement	3,012	43,071 60	14.30	"
Asphaltic Leveling Course	1,066	15,243 80	14.30	"
SC-1 Liquid Asphalt	28,753	5,256 53	183	Gallon
SC-2 " "	58,486	11,697 20	20	"
SC-3 " "	150,821	19,964.05	.132	"
SC-4 " "	30,414	4,717 20	155	"
SC-6 " "	558,115	74,267 53	133	"
MC-1 " "	240,711	43,553 82	181	"
MC-2 " "	107,737	20 376 65	.189	"
MC-3 " "	636,751	102,905 11	.162	"
MC-4 " "	248,027	47,913 39	.193	"
RCS-1 " "	169,754	25,463 10	15	"
RCS-2 " "	722,864	135,111.90	.187	"
RCS-3 " "	334,371	53,447 99	.16	"
RCS-4 " "	79,904	16,816 38	.21	"
150-200 Penetration Asphalt for Seal	192,889	37,483 51	.194	"
150-200 " " " Plant Mix	832,145	121 580 66	.146	"
120-150 " "	101,341	16,214 56	.16	"
Processing 20' Roadway	35 626	49,206 60	1381 20	Mile
" 24' "	41.564	48,426 08	1165 10	"
" 40' "	281	606.30	2157 65	"
" 42' "	.071	213 00	3000 00	"
Road Approaches	12,136	4,606.72	38	Sq Yd.
R[illegible] Surface Treatment	6.279	3,139.50	500.00	Mile
Wa[illegible]	93,036	173,207 75	1.862	M Gal.
Rollin[illegible] Embankment	9,905	68,138 00	6 88	Unit
Rolli[illegible] Surface Courses	11,812	87,115 40	7 375	"
Rolli[illegible] Steel Tired	1,413	12,028 50	8.51	"
Rolling, Pneumatic	2,272	16,803 00	7.40	"
Blading	1,591	13,658 00	8.58	Hour
Scraping	2,226	29,834.00	13 40	"
Clearing	113.897	29,902 68	262.54	Acre
Grubbing	77.889	22,186 67	284.85	"
Portland Cement Concrete Pavement - 7"	3,413	15,715 00	5.00	Sq. Yd.
Reflector R. R. Crossing Signs	24	1,718 00	71.58	Each
R R Advance Warning Signs	32	3,964.00	123.88	"
Concrete Project Markers	97	2,184.50	22.52	"
Concrete Station Markers	482	3,797 95	7 88	"
Concrete Right of Way Monuments	3,405	16,640 55	4.89	"
Concrete Guide Posts	50	500 00	10 00	"
Wood Guide Posts	14	127 26	9 09	"
Round Wood Guide Posts	162	2,430.00	15.00	"
Comb Wood Guide Post and Header	6,893.2	18,899.66	2.74	Lin Ft.
Wood Slat Snow Fence	16,525	7,868 00	.476	" "
New Right of Way Fence - 3 Wire	2,384	7,032.80	2.95	Rod
Remove and Reset R R. Fence	443	553.75	1.25	"
" " " R. R. Snow Fence	1,934	1,411.82	.73	Each
Guard Fence	105	1,050 00	10.00	Lin.Ft.
Laminated Wood Guard Rail	712	2,492.00	3.50	" "
Wood Guard Rail - Concrete Posts	1,072	4,824.00	4.50	" "
Asphalt Plank and Waterproof	3,193	3,193.00	1.00	Sq. Ft.
Adjust Manhole to Grade	50	1,420.00	28.40	Each
" Valve Box " "	37	960 00	25.95	"
" Storm Inlet to Grade	5	210.00	42.00	"
New Catch Basins	36	1,728 00	48.00	"
Moving Fire Hydrants	1	50.00	50.00	"
Concrete Curb & Rail	86.50	519 00	6.00	Lin.Ft.
Concrete Curb	974.5	1,656 65	1.70	" "
Integral Concrete Curb & Gutter	7,967 7	16,499 76	2.07	" "
Concrete Curb to Remove	2,559 4	511.88	.20	" "
Corrugated Transite Sheets	140	315.00	2.25	Sq. Ft.
Ballast Plate Steel	70,130	16,129.00	.23	Lb.
Class AD Concrete in Sidewalk	58.107	2,614.82	45.00	Cu. Yd.
" " " " Curbs & Gutters	228 019	10,260 86	45.00	" "

Item	Total Quantity	Total Cost	Average Unit Price	Unit
CULVERT, DITCH & PIPE ITEMS				
Culvert Excavation	25,952	49,266.18	1.90	Cu. Yd.
Gravel Backfill for Culverts	1,305	3,833.30	2.94	" "
Relaying Pipe Culverts	2,576	6,151.97	2.39	Lin.Ft.
Hand Laid Riprap	645	8,505.00	13.19	Cu Yd.
Random Riprap - Type A	445	2,775.00	6 24	" "
Random Riprap - Type B	4,271	13,177.50	3.09	" "
Grouted Riprap	923	8,160 65	8.84	Sq. Yd.
Treated Timber Outlet Ditches	24	72 00	3.00	Lin Ft.
" " Ditch Lining	104	216.00	2.08	" "
Lumber in Headgates	.830	249.00	300 00	MBM
Automatic Drainage Gate - 24"	1	150.00	150.00	Each
Water Pipe - 2" Diameter	110	330.00	3.00	Lin.Ft.
Black Iron Pipe - 3" "	40	200.00	5.00	" "
6" Helical Corr Metal Pipe Culvert	430	537.50	1.25	" "
Clay Pipe - 8"	1,474	2,211 00	1.50	" "
12" Corrugated Metal Pipe Culverts	34	136.00	4.00	Lin.Ft.
12" " " " " ,Perforated	48	240.00	5.00	" "
15" " " " "	3,682	15,271 50	4.15	" "
18" " " " "	3,372	12,872 24	3 82	" "
24" " " " "	16,062	96,343 40	6 00	" "
30" " " " "	1,482	10,644.10	7 18	" "
30" " " " " 12 Ga.	130	1,170 00	9.00	" "
36" " " " "	3,548	39,474.50	11 13	" "
42" " " " "	90	1,036 00	11.51	" "
48" " " " "	1,000	15,557 00	15.56	" "
48" " " " " 8 Ga.	1,394	21,057.20	15.11	" "
60" " " " "	440	10,605.30	24.10	" "
72" " " " "	158	4,230.00	26 77	" "
84" " " " "	226	9,034.00	39.97	" "
12" Corrugated Metal Syphon Pipe	202	1,212 00	6.00	Lin.Ft.
15" " " " "	200	1,259.60	6 30	" "
18" " " " "	1,516	8,478 44	5.59	" "
24" " " " "	1,306	11,019 80	8.44	" "
30" " " " "	588	5,450 00	9.27	" "
36" " " " "	592	7,634.20	12.90	" "
48" " " " "	100	1,997.00	19 97	" "
60" Sectional Plate CMP Culv ,Sec Mod 0 031	76	2,280 00	30.00	Lin.Ft.
72" " " " " " " 0.035	202	7,302 00	36 15	" "
78" " " " " " " 0.042	54	2,322.00	43 00	" "
78" " " " " " " 0 048	112	4,816 00	43.00	" "
84" " " " " " " 0.045	372	14,152 00	38 04	" "
90" " " " " " " 0 048	758	37,485 50	49 45	" "
120" " " " " " " 0 060	222	11,612.00	52.31	" "
180" " " " " " " 0.074	76	6,840 00	90.00	" "
18" x 17" Corr Metal Arch Culverts	70	287.00	4.10	Lin.Ft.
22" x 13" " " " "	186	926.40	4.98	" "
29" x 18" " " " "	30	202 50	6 75	" "
43" x 27" " " " "	42	462.00	11.00	" "
15" Reinforced Concrete Pipe Culverts	3,690	12,439 66	3.37	Lin Ft.
18" " " " "	1,534	6,924.40	4.51	" "
24" "	11,336	71,253 10	6 29	" "
24" " Ext Str	1,324	10,633.00	8 03	" "
30" "	412	3,751 00	9 10	" "
30" " Ext Str.	108	1,458 00	13 50	" "
36" "	1,404	14,951 80	10 65	" "
48" "	1,922	34,213 00	17 80	" "
48" " Ext.Str.	418	9,544.00	22 63	" "
60" "	92	2,300.00	25.00	" "
Class A Concrete in Culverts	197.57	16,768 50	84.87	Cu. Yd.
Class AD " " "	203 52	16,790 55	82 50	" "
Class B " " "	11.96	1,096 78	91.70	" "
Reinforcing Steel in Culverts	35,718	5,981.65	.167	Lb.
STRUCTURE ITEMS				
Channel Clearing Excavation	374	374.00	1.00	Cu. Yd.
Structure Excavation	14,654	299,947.00	20 47	" "
Unclassified Structure Excavation	225	1,125.00	5.00	" "
Excavation and Backfill	19,198	30,716 80	1.60	" "
Concrete Backfill	56.00	1,680.00	30.00	" "
Structural Steel	5,071,420	1,072,502.10	.211	Lb.
Reinforcing Steel	1,263,316	189,992 52	.148	"
Class A Concrete	6,594.6	441,435 60	66 94	Cu. Yd.
Class AD Concrete	6,071.2	417,388 30	68 75	" "
Class D Concrete	103.8	7,266.00	70 00	" "
Steel Bridge Rail	8,398.55	87,820 82	10.46	Lin Ft.
Pipe Rail	555.30	4,997 70	9.00	" "
Ornamental Rail	513.46	7,701 90	15.00	" "
Steel Bearing Piles	439,166	35,096 00	082	Lb.
Driving Steel Bearing Piles	9,839	15,994.50	1.63	Lin.Ft.
Treated Timber Foundation Piles	4,400	11,000.00	2.50	" "
Untreated " " "	640	2,560 00	4.00	" "
Treated Timber	675.64	170,972.93	253 05	MBM
Untreated Timber	41.03	10,441 25	254.48	"
20' Treated Timber Piles	128	6,871.50	53.68	Each
25' " " "	369	21,365 00	57.90	"
30' " " "	200	12,622.00	63.11	"
35' " " "	89	6,306.00	70.85	"
45' " " "	10	650.00	65.00	"
MAINTENANCE CONTRACT ITEMS				
Stock Pile - Type "A" Gravel 5/8" Gr.	152,500	178,350 00	1.17	Cu. Yd.
Haul on Stockpiled Materials	112,000	18,520.00	.165	Mi. Yd.
Load, Haul & Windrow State Furn Gravel	4,800	4,800.00	1.00	Cu. Yd.
Sweeping and Processing	7.949	5,564.00	700.00	Mile