STATE HIGHWAY COMMISSION
CONSTRUCTION DEPARTMENT
Helena Montana

AVERAGE UNIT CONTRACT PRICES FOR - 1954

ROADWAY ITEMS	Total Quantity	Total Cost	Average Unit Price	Unit
Unclassified Excav & Borr (Total)	14 266 958	$3 425 859 36	$0 211	Cu Yd
(a) Uncl Excav & Borr (30% Rock)	14 501 912	2 756 188 83	0 190	" "
(b) Uncl Excav & Borr (+30% Rock)	1 765 046	667 670 53	0 378	" "
Unclassified Excavation	19 319	6 761 65	0 35	" "
Uncl Excav & Borr and Desig Borr	210 528	42 105 60	0 20	" "
Overhaul (Mi Yd)	2 626 921	352 193 39	0 134	Mi Yd
Overhaul (Sta Yd)	289 236	3 296 52	0 011	Sta Yd
Designated Borrow	74 959	26 642 48	0 355	Cu Yd
Designated Borrow	4 709	3 343 35	0 71	Ton
Overhaul on Desig Borrow	51 486	8 202 30	0 159	Mi Yd
Rock Borrow	2 054	3 594 50	1 75	Cu Yd
Special Borrow Topping	20 112	15 084 00	0 75	" "
Binder	17 785	3 153 25	0 177	" "
Overhaul on Binder	35 570	3 773 70	0 106	Mi Yd
Filler	3 115	508 75	0 163	Cu Yd
Overhaul on Filler	6 230	623 00	0 10	Mi Yd
Sand Base Material	88 354	58 286 85	0 659	Cu Yd
Sand Cushion Material	239	867 40	3 629	Ton
Pit Run Gravel	1 886	2 357 50	1 25	Cu Yd
Selected Surfacing Material	190 619	183 920 65	0 965	" "
Unscreened Selected Surf Material	1 926	770 40	0 40	" "
Selected Borrow Base Course - Std	1 519 172	1 060 698 21	0 698	Ton
" " " " 3" Max	1 066 537	730 808 40	0 686	"
Selected Backfill Material	14 263	32 519 64	2 28	Cu Yd
Base Course - Grad B 2	21 416	13 920 40	0 65	Ton
Type "A" Top Course Material - 3/4" Max	1 181 930	1 194 037 22	1 010	"
Type "B" Top Course Material 3/4" Max	355 631	346 397 56	0 974	"
Gravel Admixture	26 260	16 296 48	0 621	Cu Yd
Crushed Gravel Admixture 3/4" Max	26 523	21 218 40	0 80	Ton
Stone Chips 1/2" Max Grad B	286	1 430 00	5 00	"
Crushed Gravel Cover Material - 5/8" Max	499	1 899 50	3 807	"
Crushed Gravel Cover Material 1/2" Max	59 507	218 685 44	3 675	"
Crushed Gravel Cover Material 3/8" Max	32 749	149 492 50	4 565	"
Stockpile Type "A Top Course Material	11 135	10 047 00	0 902	"
Stockpile Type "B" Top Course Material	4 560	4 310 55	0 945	"
Stockpile Cr Grav Cover Mtl 3/8" Max	12 750	28 722 50	2 253	"
Plant Mix - All Types (Total)	229 387	622 273 45	2 713	"
(a) Plant Mix - 2 Bin	146 567	379 323 07	2 588	"
(b) Plant Mix - 1 Bin	67 463	173 610 75	2 573	"
(c) Plant Mix 2 Bin (Urban)	15 357	69 339 63	4 515	"
Seal Mix Material	700	2 800 00	4 00	Cu Yd
Processing Roadway 24 0 X 2" Mat	219 967	208 193 89	946 48	Mile
Processing Road Approaches	30 915	14 498 52	0 469	Sq Yd
Bituminous Materials (Total)	10 135 410	1 375 899 46	0 136	Gal
(a) RS 2 Emulsified Asphalt	546 913	88 174 03	0 161	"
(b) MC-1 Liquid Asphalt	1 267 159	188 862 91	0 149	"
(c) MC 2 "	539 701	85 264 73	0 158	"
(d) MC 3 " "	3 894 026	545 727 82	0 140	"
(e) MC-5 " "	915 452	138 964 94	0 152	"
(f) SC-5 " " for Plant Mix	530 202	50 369 19	0 085	"
(g) 250-300 Pen Asphalt for Plant Mix	1 468 004	160 229 70	0 109	"
(h) 150-200 " " " "	847 617	103 834 25	0 123	"
(i) 85-100 " " " " "	126 326	14 471 89	0 115	"
Watering	259 883	310 295 80	1 194	M Gal
Rolling Embankment	20 998	148 866 60	7 089	Units
Rolling Surface Courses	26 273	194 358 65	7 398	"
Blading or Dozer Work	3 225	33 079 50	10 257	Hours
Scraper Work	2 656	33 736 50	12 692	"
Back Hoe Work - 3/8 Cu Yd	249	2 241 00	9 00	"
Obliterating Old Work	193	5 250 00	27 20	Sta
Clearing	310 09	91 495 00	295 06	Acre
Grubbing	173 83	34 905 50	200 80	Acre
Concrete Project Markers	105	2 458 50	23 414	Each
Concrete Station Markers	667	5 203 85	7 802	"
Concrete R/W Monuments	1 791	9 291 20	5 188	"
Concrete Guide Posts	36	390 00	10 833	"
New Steel Guide Posts	266	1 161 25	4 366	"
Wood Guide Posts	33	267 30	8 10	"
Comb Guide Post and Header	2 073 0	4 042 35	1 95	Lin Ft
Narrow Bridge Signs	4	250 00	62 50	Each
Reflectorized R R Advance Warning Signs	22	1 290 00	58 64	"
Reflectorized R R Crossing Signs	22	2 000 00	90 91	"
New Drop Inlets	31	3 310 00	106 77	"
Drop Inlets Detail No 1	2	630 00	315 00	"
Drop Inlets Detail No 2	2	870 00	435 00	"
Drop Inlets Std 122 SE2	12	1 740 00	145 00	"
Cast Iron Catch Basin and Manholes	4 220	590 80	0 14	Lbs
Precast Manholes	8	1 880 00	235 00	Each
New Concrete Manholes	1	300 00	300 00	"
Concrete Cut-Off Curb (Headers)	1 057 6	898 96	0 85	Lin Ft
Concrete Integral Curb and Gutter	17 700 8	40 084 84	2 265	" "
8 Concrete Gutter	2 271 5	13 061 13	5 75	" "
Concrete Curbs	4 454 7	7 247 92	1 627	" "
Precast New Concrete Curbs	2 715	8 416 50	3 10	" "
New Concrete Sidewalks (Various Widths)	1 770 0	6 117 15	3 456	Sq Yd
6" Concrete Pavement	226 0	1 118 70	4 95	" "
Remove Concrete Pavement	620 0	682 00	1 10	" "
Remove Concrete Structures (Sq Yd)	1 440 0	504 00	0 35	" "
Remove Concrete Structures (Lin Ft)	1 757 0	439 25	0 25	Lin Ft
Remove Concrete Sidewalks	65 0	19 00	0 292	Sq Yd
Remove Drop Inlets	24	296 00	12 333	Each
Remove and Reset Drop Inlets	1	40 00	40 00	"
Remove Concrete and Wood Curbs	5 078 0	1 063 10	0 209	Lin Ft
Move Street Lights	51	6 115 00	119 902	Each
Adjust Manhole To Grade	36	1 807 50	50 206	"
Adjust Water Valves to Grade	14	77 00	5 50	"
Adjust Water Valve Boxes	5	125 00	25 00	"
Adjust Riser Pipes	38	570 00	15 00	"
STRUCTURE ITEMS				
Structure Excavation	7 610	36 110 00	4 745	Cu Yd
Uncl Excavation	1 625	1 182 50	0 728	" "
Structural Steel	1 101 612	209 431 20	0 190	Lbs
Reinforcing Steel	1 343 579	185 299 79	0 138	"
Class "A" Concrete	2 921 6	170 197 50	58 255	Cu Yd
Class "AD" Concrete	5 007 2	375 433 80	74 979	" "
Steel Bridge Rail	5 239 26	48 178 20	9 196	Lin Ft
Steel Guard Rail	19 150	52 011 50	2 716	" "
Steel Guard Rail with Round Wood Posts	12 300	32 472 00	2 64	" "
Steel Beam Guard Rail	375	2 250 00	6 00	" "
Steel Beam Bridge Rail	1 477 63	8 868 88	6 002	" "
Guard Fence	319 44	1 958 80	6 132	" "
Corr Transite Sheets	896	1 610 00	1 797	Sq Ft
Treated Timber	246 411	67 678 81	274 658	M B M
Untreated Timber	149 412	34 280 96	229 439	"
Erection of Treated Timber	11 908	1 548 04	130 00	"
Erection of Untreated Timber	0 584	70 08	120 00	"
Furnish Treated Timber Piling	3 300	4 290 00	1 30	Lin Ft
Driving Treated Timber Piling	3 036	3 339 60	1 10	" "
Driving 20 Treated Timber Piles	16	640 00	40 00	Each
Concrete Piles	32	8 000 00	250 00	"
Steel Bearing Piles	80 976	8 097 60	0 10	Lbs
Driving Steel Bearing Piles	1,135	1 135 00	1 00	Lin Ft
20' Treated Timber Piles	16	1 200 00	75 00	Each
25 " " "	96	7 295 00	75 990	"
30' " " "	56	4 490 00	80 179	"
35' " " "	50	3 970 00	79 40	"
40' " " "	41	4 100 00	100 00	"
45' " " "	6	1 200 00	200 00	"
50' " " "	4	392 00	98 00	"
55' " " "	4	420 00	105 00	"

CULVERT, DITCH & PIPE ITEMS	Total Quantity	Total Cost	Average Unit Price	Unit
Culvert Excavation	91 951	131 628 80	$1 432	Cu Yd
Gravel Backfill	10 438	29 330 89	2 810	" "
Backfill Material	10 073	30 219 00	3 00	" "
Rock Backfill	80	160 00	2 00	" "
Relay Pipe Culvert	9 609	21 895 06	2 279	Lin Ft
Structures to be Relaid	1 182	886 50	0 75	" "
Class A" Concrete in Culvert	15 2	760 00	50 00	Cu Yd
Class "AD" Concrete in Culvert	431 40	38 436 58	89 056	" "
Reinforcing Steel in Culvert	62 400	9 723 15	0 156	Lbs
Hand-Laid Riprap	605	9 310 00	15 388	Cu Yd
Grouted Riprap	380	2 680 00	7 052	Sq Yd
Random Riprap Type "A"	1 633 5	8 731 70	5 345	Cu Yd
Random Riprap Type "B	11 033 5	49 164 30	4 456	" "
Unload Haul and Place Random Riprap	8 280	17 802 00	2 15	Tons
Lumber for Headgates	0 250	125 00	500 00	M B M
Treated Timber Ditch Lining	56 0	172 48	3 08	Lin Ft
Automatic Drainage Gate - 18" Dia	1	50 00	50 00	Each
24" Metal Headgate	1	100 00	100 00	"
New Calco Headgate #101	2	190 00	95 00	"
4" Galvanized Iron Pipe	54	106 00	2 00	Lin Ft
2½" Galvanized Iron Pipe	160	283 20	1 77	" "
1" Galvanized Iron Pipe	300	303 00	1 01	" "
8 Concrete Sewer Pipe	1 382	3 002 00	2 172	" "
18" Concrete Drain (Incl Exc & Backfill)	2 638	14 377 10	5 45	Lin Ft
8" Ellip Corr Met Perf Pipe Culvert - 16 Ga	280	980 00	3 50	Lin Ft
18" Corr Met Perf Pipe Culvert	150	600 00	4 00	" "
24" " " " " "	104	728 00	7 00	" "
15" Corr Met Syphon Pipe	302	1 697 32	5 620	" "
18" " " " "	1 920	11 313 80	5 893	" "
24" " " " "	1 850	15 202 30	8 217	" "
30" " " " "	224	2 322 12	10 367	" "
36" " " " "	142	1 420 00	10 00	" "
48" " " " "	210	3 817 80	18 18	" "
29"S X 18"R Corr Met Syphon Pipe Arch Culv	102	1 020 00	10 00	" "
8" Corr Met Pipe Culvert	68	136 00	2 00	Lin Ft
12" " " " " 16 Ga	50	175 00	3 50	" "
15" " " " " - 16 Ga	7 052	23 830 24	3 379	" "
18" " " " " - 14 Ga	4 590	18 910 30	4 120	" "
24" " " " " - 14 Ga	17 573	108 928 08	6 199	" "
24" " " " " - 12 Ga	180	1 362 60	7 57	" "
30" " " " " - 14 Ga	1 650	13 086 34	7 931	" "
36" " " " " - 12 Ga	2 801	31 744 18	11 333	" "
36" " " " " - 10 Ga	156	1 716 00	11 00	" "
42" " " " " - 12 Ga	56	810 00	14 464	" "
48" " " " " - 12 Ga	1 528	26 142 50	17 109	" "
46 " " " " - 8 Ga	330	8 045 00	24 379	" "
60" " " " " - 10 Ga	484	13 260 00	27 397	" "
60" " " " " - 8 Ga	112	3 830 40	34 20	" "
72" " " " " - 10 Ga	562	18 540 00	32 989	" "
84" " " " " - 8 Ga	772	36 082 00	46 738	" "
24" Ellip Corr Met Pipe Culvert - 14 Ga	885	5 752 50	6 50	Lin Ft
24" " " " " " - 12 Ga	1 124	9 441 60	8 40	" "
24" " " " " " - 10 Ga	468	4 773 60	10 20	" "
30" " " " " " - 14 Ga	134	1 192 60	8 90	" "
36" " " " " " - 8 Ga	228	3 967 20	17 40	" "
48" " " " " " - 10 Ga	140	2 730 00	19 50	" "
48" " " " " " - 8 Ga	1 004	22 891 20	22 80	" "
18"SX 11"R Corr Met Pipe Arch Culvert	370	1 518 10	4 103	Lin Ft
22"SX 13"R " " " " "	56	274 80	4 907	" "
29"SX 18"R " " " " "	86	573 00	6 663	" "
36"S X 22"R " " " " "	314	2 436 00	7 758	" "
43"S X 27"R " " " " "	125	1 549 66	12 397	" "
50"S X 31"R " " " " "	176	2 666 40	15 15	" "
58 S X 36"R " " " " "	1 131	18 182 00	16 076	" "
65"S X 40"R " " " " "	90	1 800 00	20 00	" "
72" Structural Plate Pipe Culvert - 10 Ga	224	10 870 00	48 527	Lin Ft
72" " " " " - 8 Ga	88	6 600 00	75 00	"
84" " " " " - 10 Ga	574	24 470 32	42 631	" "
90" " " " " - 10 Ga	538	28 676 80	53 303	" "
96" " " " " - 10 Ga	136	6 800 00	50 00	" "
108" " " " " - 10 Ga	264	16 860 00	63 864	" "
114" " " " " - 10 Ga	160	9 742 12	60 888	" "
120" " " " " - 10 Ga	397	25 910 00	65 264	" "
120" " " " " - 8 Ga	100	7 200 00	72 00	" "
132" " " " " - 10 Ga	230	15 481 30	67 31	" "
138" " " " " - 8 Ga	132	10 624 00	82 00	" "
144" " " " " 8 Ga	52	6 500 00	125 00	" "
150" " " " " - 10 Ga	86	6 880 00	80 00	"
180" " " " " - 10 Ga	102	10 200 00	100 00	" "
180" " " " " - 8 Ga	76	7 726 16	101 66	" "
180" " " " " - 3 Ga	316	36 340 00	115 00	"
73"S X 55"R Str Plate Pipe Arch Culv 10 Ga	360	18 000 00	50 00	Lin Ft
76"S X 57"R " " " " " - 10 Ga	162	7 029 52	43 39	" "
84 S X 61"R " " " " " - 10 Ga	68	4 080 00	60 00	" "
92"S X 65"R " " " " " - 10 Ga	518	28 358 00	54 745	" "
98"S X 69"R " " " " " - 10 Ga	128	6 788 50	53 035	" "
106 S X 73"R " " " " " - 10 Ga	624	33 740 00	54 071	" "
114"S X 77"R " " " " " - 10 Ga	64	3 200 00	50 00	" "
114"S X 77"R " " " " " - 8 Ga	68	4 120 80	60 60	" "
123"S X 81"R " " " " " - 10 Ga	116	6 960 00	60 00	" "
137"S X 87"R " " " " " - 8 Ga	64	4 096 00	64 00	" "
142"S X 91"R " " " " " - 8 Ga	164	12 644 00	77 098	" "
154"S X 100"R " " " " " 8 Ga	194	14 550 00	75 00	" "
154"S X 100"R " " " " " 7 Ga	102	7 650 00	75 00	" "
161"S X 101"R " " " " " - 7 Ga	74	7 770 00	105 00	" "
161"S X 101"R " " " " " - 5 Ga	148	17 020 00	115 00	" "
171"S X 107"R " " " " " - 5 Ga	74	6 577 12	88 88	" "
188 S X 115"R " " " " " 5 Ga	70	7 770 00	111 00	" "
199"S X 121"R " " " " " - 1 Ga	74	9 044 28	122 22	" "
15" Reinforced Concrete Pipe Culvert	6 552	24 331 92	3 714	Lin Ft
18" " " " " "	5 148	24 779 20	4 813	" "
18" " " " " - Ex Str	208	1 342 40	6 454	" "
24" " " " "	19 116	131 304 76	6 869	" "
24" " " " " - Ex Str	2 982	22 736 54	7 625	" "
30" " " " "	1 048	9 819 74	9 370	" "
36" " " " "	1 802	22 612 92	12 549	" "
36" " " " " - Ex Str	272	3 374 00	12 404	" "
42" " " " "	22	308 00	14 00	" "
48" " " " "	1 710	31 417 90	18 373	" "
48" " " " " - Ex Str	310	8 680 00	28 00	" "
60" " " " "	164	4 920 00	30 00	" "
60" " " " " - Ex Str	266	9 010 00	33 872	" "
72" " " " "	124	3 651 80	29 45	" "
72" " " " " - Ex Str	96	3 211 20	33 45	" "
84" " " " "	228	10 837 60	47 533	" "
43 3/4"S X 26-5/8"R Reinf Conc Pi Arch Culv	54	972 00	18 00	" "
58 1/2"S X 36" R " " " " "	60	1 125 00	18 75	" "
73-1/2"S X 45" R " " " " "	34	1 768 00	52 00	" "
88" S X 54" R " " " " "	160	9 600 00	60 00	" "
Standard Sectional Reinf Concrete Underpass	1 994	73 356 50	36 789	" "
MAINTENANCE ITEMS				
Crush & Stockpile Gravel -5/8" Max	294 500	225 325 00	0 765	Cu Yd
Crush & Stockpile Gravel -5/8" Max	294 300	176 750 00	0 601	Tons
Crush & Stockpile Gravel 1/2" Max	165 000	103 950 00	0 630	Tons
Haul on Stockpile Gravel (Mi Yd)	747 600	63 001 50	0 084	Mi Yd
Haul on Stockpile Gravel (Ton Mi)	792 600	62 682 00	0 079	Ton Mi
LUMP SUM AMOUNTS	---	137 656 87	---	---
TOTAL OF ALL 1954 LETTINGS	---	$14 845 103.05	---	---