OREGON STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE

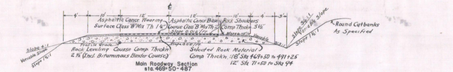
AS CONSTRUCTED

CANYONVILLE SECTION

PACIFIC HIGHWAY	DOUGLAS COUNTY
CONTRACT No. 3424	JOB No. 10-1043
A. L. Chapman, Res. Engr.	Scale= as noted
1952	

Dwg. No. 7B-21-13

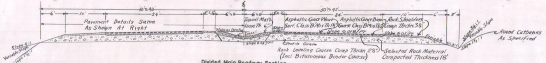
TYPICAL SECTIONS



℄
4'
10'
12'
12'
10'
4'
3'
Asphaltic Concr. Wearing Surface Class "B" Mix Th. 1½"
Asphaltic Concr. Base Course Class "B" Mix Th. 2"
Rock Shoulders Comp. Thick'n. 3½"
Slope 0.018'/Ft.
Slope 0.05'/Ft.
Variable
Slope 3/4:1
Variable Slope
Slope 1½:1
Round Cutbanks As Specified
Profile Grade
Slope 0.02'/Ft.
Slope 4:1
Variable Slope
Slope 1½:1
Rock Leveling Course Comp. Thick'n 2½" (Incl. Bituminous Binder Course)
Selected Rock Material Comp Thick'n.: 18" Sta 469+50 to 491+25 12" Sta 71+50 to Sta 94

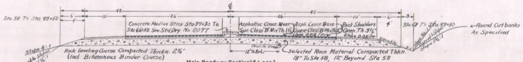
Main Roadway Section
sta. 469+50-487
sta. 71+50-94

Main Roadway Taper Section
sta. 487-491+25



℄
50' to 42'
50' to 42'
6'
10'
24'
4'
2'
6'±0'
6'±0'
2'
24'
10'
6'
3'
Pavement Details Same As Shown At Right
Slope as Directed
Max.
Topsoil Mat'l. Loose Th. 6"
Slope 0.05'/Ft.
Asphaltic Concr. Wear. Surf. Class "B" Mix Th. 1½"
Asphaltic Concr. Base Course Class "B" Mix Th. 2"
Rock Shoulders Comp. Thick'n. 3½"
Slope 0.018'/Ft.
Slope 0.05'/Ft.
Variable
Slope 3/4:1
Variable Slope
Slope 1½:1
Round Cutbanks As Specified
Profile Grade
Slope 4:1
Variable Slope
Slope 1½:1
Rock Leveling Course Comp Thick'n 2½" (Incl. Bituminous Binder Course)
Selected Rock Material Compacted Thickness 18"

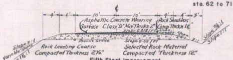
Divided Main Roadway Section
sta. 491+25-39+30
(sta. 504+52.9=30+09.9 Eq.)



℄
42
42
6'
4'
10'
26'
26'
10'
6'
4'
3'
Sta 58 To Sta 93+50
Concrete Median Strip Sta 39+30 To Sta 66+50. See Std Drg. No 2077
Asphaltic Concr. Wear. Sur. Class "B" Mix Th. 1½"
Asph. Concr. Base Course Class "B" Mix Th. 2"
Rock Shoulders Comp. Th. 3½"
Slope 0.018'/Ft.
Slope 0.05'/Ft.
Variable
Sta 58 To Sta 93+50
Slope 3/4:1
Variable Slope
Slope 1½:1
Round Cutbanks As Specified
Profile Grade
12' To R of L
Slope 4:1
Variable Slopes
Slope 1½:1
Rock Leveling Course Compacted Thickn. 2½" (Incl. Bituminous Binder Course)
Selected Rock Material Compacted Thkn. 18" To Sta 58, 12" Beyond Sta 58

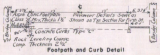
Main Roadway Section (4 Lane)
sta. 39+30 - 62

Main Roadway Taper Section
sta. 62 to 71+50



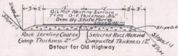
℄
4'
4'
10'
10'
4'
4'
3'
Asphaltic Concrete Wearing Surface Class "B" Mix Thickn. 2"
Rock Shoulders Comp Thickn 1½"
Slope 0.018'/Ft.
Slope
Slope 3:1
3:1
Slope 3/4:1
Slope 1:1
Profile Grade
Slope 0.02'/Ft.
Slope 3:1
Variable Slopes
Slope 1½:1
Rock Leveling Course Compacted Thickness 2½"
Selected Rock Material Compacted Thickness 12"

Fifth Steet Improvement
All Service Road & Connections



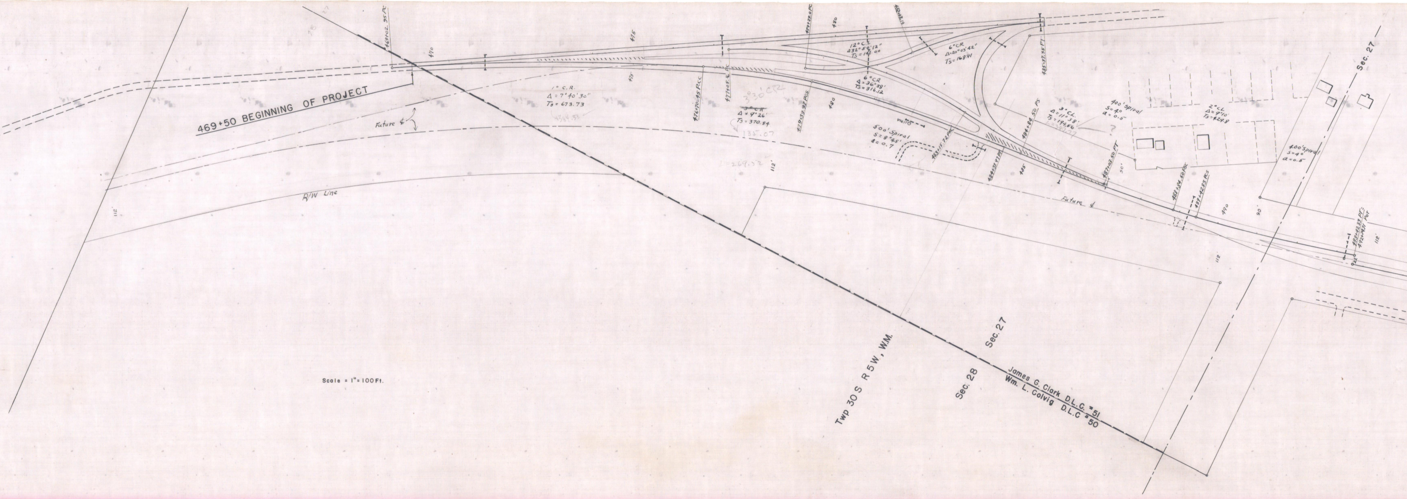
℄
5.375'
12'
12'
5.375'
Bridge Column
Asph. Conc. Footpath Class "B" Mix Thickn 1½"
Sl. 0.02'/Ft.
Pavement Details Same as Shown on Typ. Section For Fifth St.
0.5'
20"
Concrete Curbs Type "C"
Rock Leveling Course Comp. Thickness 2½"
Bridge Column

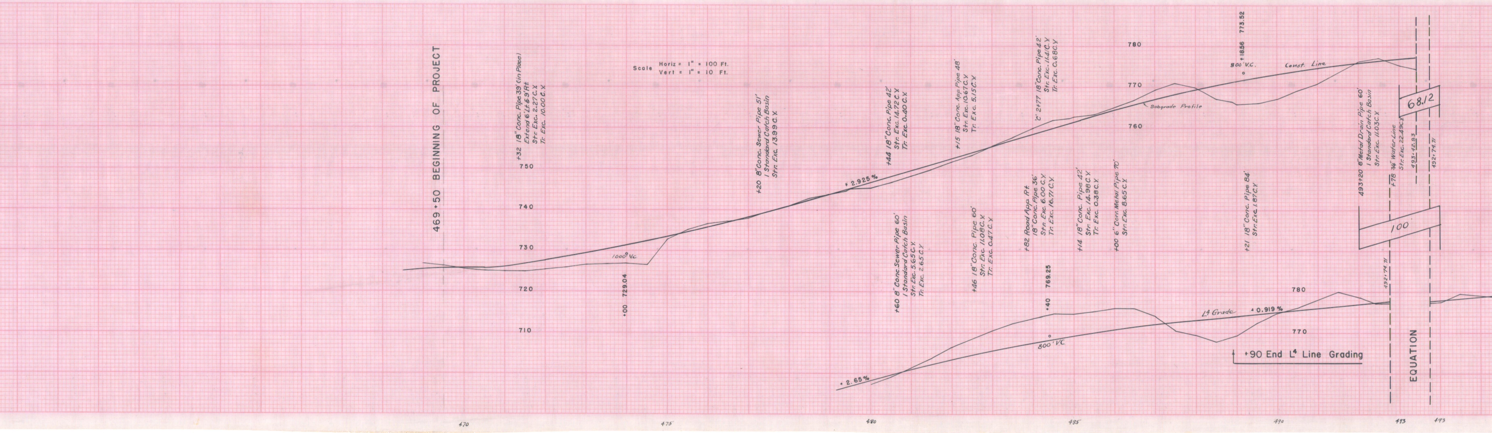
Footpath and Curb Detail
On Fith St. and First St.
under highway overpasses

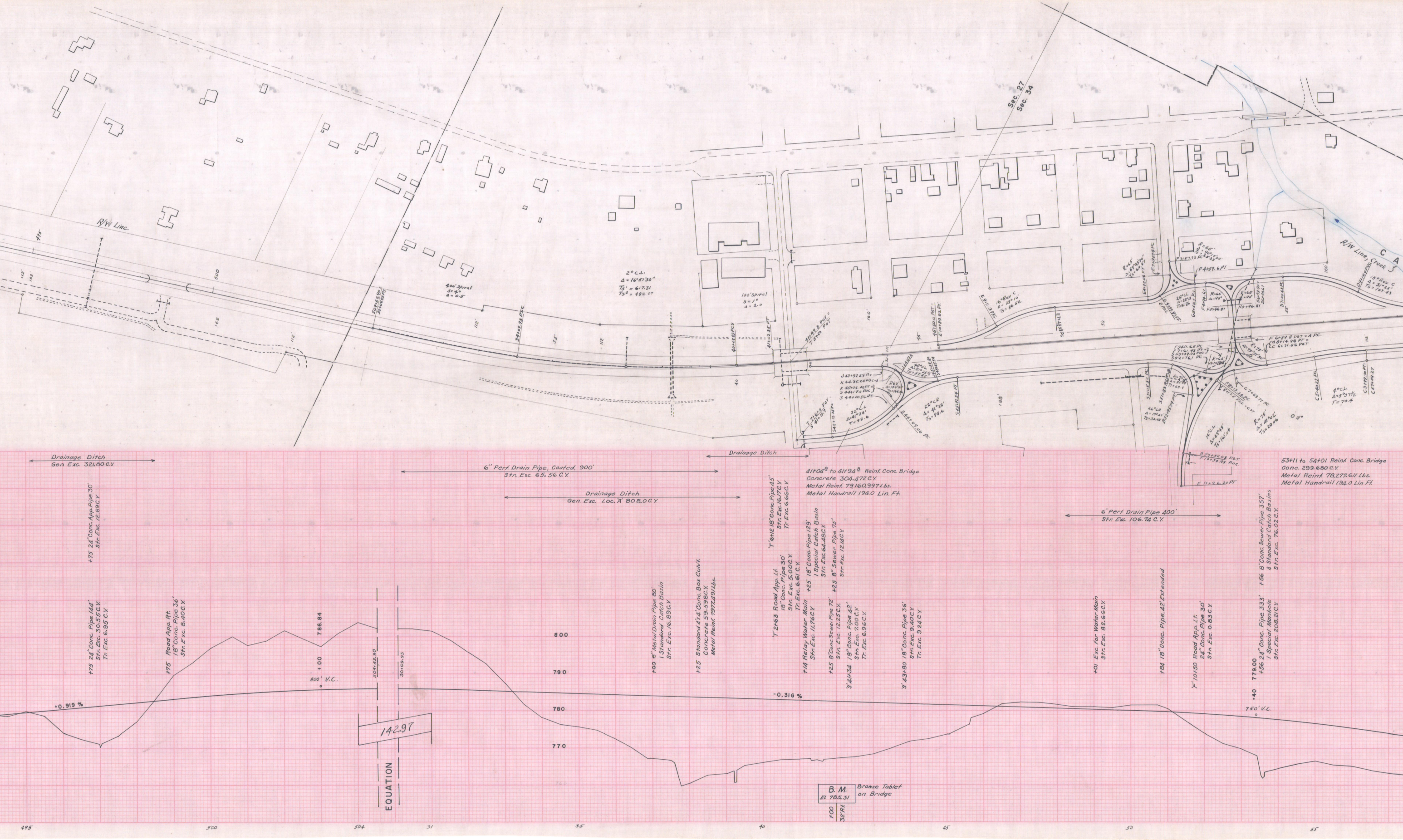


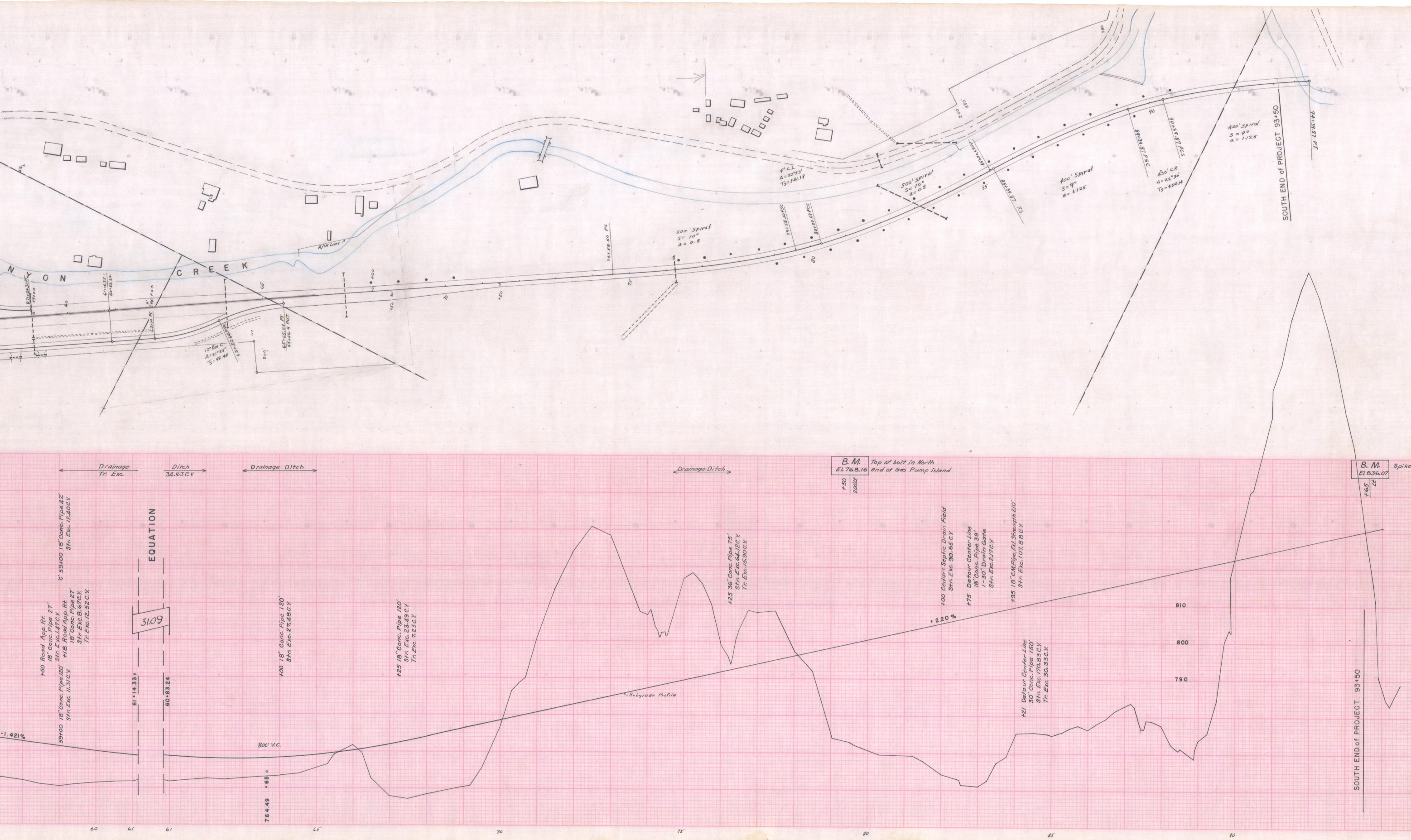
3'
2'
12'
12'
2'
3'
Oil Mat Wearing Surface Type O-9, Thickness 3/4" Done By State Forces
Slope 0.02'/Ft.
Slope 2:1
Slope 1:1
Rock Leveling Course Comp Thickness 2"
Selected Rock Material Compacted Thickness 12"
Slope 0.02/Ft
Slope 1:1
Slope ½:1

Detour for Old Highway


Scale = 1" = 100 Ft.
469+50 BEGINNING OF PROJECT
469+02.95 PC
470
475
Future ℄
R/W Line
1° C.R.
Δ = 7°40'30"
Ts = 673.73
4384.33
476+70.45 P.CC
477+05.16 PC
3° CR
Δ = 9°26'
Ts = 370.84
3°30' CR
135.07
L=269.52
112'
479+29.0 PC
479+59.97 PCS
480
12° C.L.
Δ 32°54'12"
Ts = 141.00
6° CR
Δ = 36°38'
Ts = 316.12
482+03.19
6° CR
Δ = 20°03'42"
Ts = 168.91
Well
500' Spiral
S = 8°45'
a = 0.7
483+15.72 PRC
484+39.97 PT
484+84.50 PS
485
485+37.35 PT
3° CL.
Δ = 11°38'
Ts = 194.66
L = 387.77
400' spiral
S = 4°
a = 0.5
?
487+03.50 PT
90'
Future ℄
2° CL
Δ = 9°10'
Ts = 424.8
488+84.50 PSC
489+42.93 PCS
490
90'
400' spiral
S = 4°
a = 0.5
112'
Sec. 27
493+42.83 PT=
492+74.71 Pot
112'
Twp 30 S R 5 W, W.M.
Sec. 28
Sec. 27
James G. Clark D.L.C. #51
Wm. L. Colvig D.L.C. #50


Scale Horiz = 1" = 100 Ft.
Vert = 1" = 10 Ft.


R/W Line
Sec. 27
Sec. 34
R/W Line, Creek S
C A
2° C.L.
Δ = 16°51'30"
Ts' = 617.31
Ts° = 482.07
400' Spiral
S = 4°
a = 0.5
100' Spiral
S = 1°
a = 2.0
Drainage Ditch
Gen. Exc. 321.80 C.Y.
6" Perf. Drain Pipe, Coated, 900'
Str. Exc. 65.56 C.Y.
Drainage Ditch
Gen. Exc. Loc. 'A' 808.0 C.Y.
Drainage Ditch
41+04.8 to 41+94.8 Reinf. Conc. Bridge
Concrete 304.472 C.Y.
Metal Reinf. 79,160.997 Lbs.
Metal Handrail 194.0 Lin. Ft.
6" Perf. Drain Pipe 400'
Str. Exc. 106.74 C.Y.
53+11 to 54+01 Reinf. Conc. Bridge
Conc. 299.680 C.Y.
Metal Reinf. 78,277.611 Lbs.
Metal Handrail 194.0 Lin. Ft.
+75 24" Conc. App. Pipe 30'
Str. Exc. 12.89 C.Y.
+75 24" Conc. Pipe 144'
Str. Exc. 30.55 C.Y.
Tr. Exc. 6.95 C.Y.
+75 Road App. Rt.
18" Conc. Pipe 36'
Str. Exc. 8.40 C.Y.
786.84
+00
800' V.C.
+0.919 %
504+52.90
30+09.93
142.97
EQUATION
800
790
780
770
+00 6" Metal Drain Pipe 80'
1 Standard Catch Basin
Str. Exc. 16.89 C.Y.
+25 Standard 4'x4' Conc. Box Culvt.
Concrete 59.598 C.Y.
Metal Reinf. 7977.491 Lbs.
'T' 6+12 18" Conc. Pipe 45'
Str. Exc. 16.17 C.Y.
Tr. Exc. 6.66 C.Y.
'T' 2+63 Road App. Lt.
18" Conc. Pipe 30'
Str. Exc. 5.00 C.Y.
Tr. Exc. 6.61 C.Y.
+14 Relay Water Main
Str. Exc. 11.76 C.Y.
+25 18" Conc. Pipe 129'
1 Special Catch Basin
Str. Exc. 64.48 C.Y.
+25 8" Conc. Sewer Pipe 72'
Str. Exc. 12.25 C.Y.
+25 8" Sewer Pipe 75'
Str. Exc. 12.14 C.Y.
'S' 41+34 18" Conc. Pipe 42'
Str. Exc. 7.00 C.Y.
Tr. Exc. 6.96 C.Y.
'S' 43+80 18" Conc. Pipe 36'
Str. Exc. 9.40 C.Y.
Tr. Exc. 9.24 C.Y.
-0.316 %
+01 Exc. for Water Main
Str. Exc. 82.66 C.Y.
+84 18" Conc. Pipe 42' Extended
'F' 10+50 Road App. Lt.
24" Conc. Pipe 30'
Str. Exc. 0.83 C.Y.
+40
779.00
750' V.C.
+56 24" Conc. Pipe 333'
1 Special Manhole
Str. Exc. 208.21 C.Y.
+56 8" Conc. Sewer Pipe 357'
4 Standard Catch Basins
Str. Exc. 76.02 C.Y.
B.M.
El. 785.31
Bronze Tablet on Bridge
+00
32' Rt.
495
500
504
31
35
40
45
50
55


N Y O N   C R E E K
R/W Line
15°
D7+24.32 PT
59+00
60
61+14.33 =
60+83.24
62+00 PC
+00
65
63+82.64 PRC
12° Rev C
Δ=21°25'
Ts=92.45
112
200'
65+65.28 PT
65+56.4 P.O.T.
+00
+50
70
75
74+58.50 PS
500' Spiral
S= 10°
a= 0.8
79+58.50 PSC
80+30.69 PCS
80
4° C.L.
Δ=22°53'
Ts=541.18
500' Spiral
S= 10°
a= 0.8
85+30.69 PT
85+37.87 P.S.
85
400' Spiral
S=9°
a= 1.125
89+39.87 PSC
90+39.87 PCS
90
4°30' C.R.
Δ=22°30'
Ts=454.14
200'
250'
250
400' Spiral
S=9°
a=1.125
SOUTH END of PROJECT 93+50
94+39.87 P.T.
Drainage
Tr. Exc.
Ditch
34.63 C.Y.
Drainage Ditch
+50 Road App. Rt.
18" Conc. Pipe 27'
Str. Exc. 1.47 C.Y.
59+00 18" Conc. Pipe 120'
Str. Exc. 11.31 C.Y.
+18 Road App. Rt.
18" Conc. Pipe 27'
Str. Exc. 8.67 C.Y.
Tr. Exc. 12.52 C.Y.
'C' 59+00 18" Conc. Pipe 42'
Str. Exc. 12.40 C.Y.
EQUATION
31.09
61+14.33 =
60+83.24
-1.421%
800' V.C.
+00 18" Conc. Pipe 120'
Str. Exc. 27.48 C.Y.
764.49
+65
+25 18" Conc. Pipe 120'
Str. Exc. 23.49 C.Y.
Tr. Exc. 7.23 C.Y.
Subgrade Profile
Drainage Ditch
+25 36" Conc. Pipe 75'
Str. Exc. 64.12 C.Y.
Tr. Exc. 15.90 C.Y.
+2.20%
B.M.
El. 768.16
Top of bolt in North end of Gas Pump Island
+50
200' Lt
+00 Cedars Septic Drain Field
Str. Exc. 90.65 C.Y.
+75 Detour Center Line
18" Conc. Pipe 39'
1-30" Drain Gate
Str. Exc. 2.17 C.Y.
+95 18" C.M. Pipe, Ext. Strength 210'
Str. Exc. 107.88 C.Y.
+21 Detour Center Line
30" Conc. Pipe 150'
Str. Exc. 170.83 C.Y.
Tr. Exc. 30.33 C.Y.
810
800
790
B.M.
El. 836.07
Spike
+65
Lt
SOUTH END of PROJECT 93+50
60
61
61
65
70
75
80
85
90

SUMMARY

NO.	ITEM	UNIT	FI-78(15)				FI-61(3)		STATE PROJECT	TOTAL
			2-Lane	4-Lane	Structure	Structure	2-Lane	4-Lane	Non Federal Aid	
			Sta. to Sta. 467+50 " 487	Sta. to Sta. 487 " 55	Sta. to Sta. 41+048 " 41+94.8	Sta. to Sta. 53+11 " 54+01	Sta. to Sta. 71+50 " 93+50	Sta. to Sta. 55+00 " 71+50		
1	Clearing and Grubbing Sta. 469+50 to 65+00	All								100%
2	Clearing and Cleaning Up Sta. 65+00 to 93+50	Acre					12.97	2.09		15.06
3	Grubbing, Sta 65+00 to 93+50	Acre					5.83	0.84		6.67
4	Extra Clearing	Acre					0.48	0.21		0.69
5	Extra Grubbing	Acre					0.28	0.13		0.41
6	Felling Danger Trees	Sq. Ft.					30.9			30.9
7	Structural Excavation, unclassified	Cu. Yd.	97.15	786.73			455.33	84.82	24.27	1448.30
8	Trench Excavation, unclassified	Cu. Yd.	26.44	23.15			19.23	54.38	23.27	146.47
9	General Excavation, Loc. "A", unclassified	Cu. Yd.	3666.7	101,737.8				1177.6	7941.9	114,524.0
10	General Excavation, Loc. "B", unclassified	Cu. Yd.					213,805.3	11,940.3		225,745.6
11	Short Overhaul	Yd. Sta.		196,393			496,477		5585	698,455
12	Long Overhaul	C-Yd. Sta.		756.6			15,686.0		246.2	16,688.8
13	Finishing Roadbed and Slopes	Mile	0.20	0.78			0.42	0.32	0.13	1.85
14	Rounding Cutbank	Lin. Ft.	783	2399			1135	385	120	4,822
15	Excavating and Placing Topsoil	Cu. Yd.	2250	2785				630	113	5,778
16	Preparing Soil and Seeding	Acre	0.76	2.13				0.30	0.04	3.23
17	Grass Seed, Chewing Fescue	Lb.	47.3	131.7				18.8	2.2	200.0
18	Grass Seed, Common Rye	Lb.	47.3	131.7				18.8	2.2	200.0
19	Grass Seed, Alta Fescue	Lb.	18.9	52.7				7.5	0.9	80
20	Inorganic Fertilizer	Cwt.	9.5	26.3				3.8	0.4	40
21	18" Extra Strength, Prot. Invert, Corr. Metal Pipe	Lin. Ft.					210			210
22	6" Metal Drain Pipe, Coated	Lin. Ft.	70							70
23	6" Perf. Metal Drain Pipe, Coated	Lin. Ft.		1300						1300
24	8" Metal Drain Pipe, Coated	Lin. Ft.		140						140
25	18" Concrete Pipe	Lin. Ft.	270	369			39	456	90	1224
26	24" Concrete Pipe	Lin. Ft.		507					30	537
27	30" Concrete Pipe	Lin. Ft.					150			150
28	36" Concrete Pipe	Lin. Ft.					75			75
29	8" Sewer Pipe	Lin. Ft.	111	504						615
30	3/8-0 Backfill in Drains	Cu. Yd.		157.5			60			217.5
31	Type "B" Special Manhole	One		1						1
32	Concrete Catch Basin	One	2	6						8
33	Special Concrete Catch Basin	One		1						1
34	Excavating for Bridges	Cu. Yd.								465.31
35	Excavation below Elevation Shown	Cu. Yd.			1.399	3.614				5.013
36	Class "A" Concrete for Misc. Structures	Cu Yd.		59.598			19.015			78.613
37	Class A Concrete for Bridges	Cu. Yd.		7977.491	304.472	299.680				604.152
38	Metal Reinforcing for Misc. Structures	Lb.					883.602			8861.093
39	Metal Reinforcing for Bridges	Lb.			79160.997	78277.611				157,438.608
40	Handrail	Lin. Ft.			194	194				388.0
41	30" Drain Gate	One					1			1
42	Concrete Curb	Cu. Yd.		16.60						16.60
43	Concrete Median Strip	Cu. Yd.		255.662				13.931		269.593
44	Recesses for Traffic Control Markers	One		2				1		3
45	Concrete Sight Posts	One		12			35	4	9	60
47	3/4-0 Gravel in Leveling Course and Shoulders	Cu. Yd.	1303	5224			1540	1965	815	11,147
48	Sprinkling	M-Gal.	192.0	1137.0			147.0	160.5	108.0	1,744.5
49	Preparation of Base	Mile	0.20	0.78			0.42	0.32	0.13	1.85
50	3/4-0 Gravel in Binder Course	Cu. Yd.	119	360			60	135	124	798
51	Furnishing and Placing RC-3 Asphalt	Ton	10.29	15.25			46.19	16.49	10.62	98.84
52	Class "B" Asphaltic Concrete	Ton	1389.095	5937.425			1129.910	1882.485	1369.955	11,168.87
53	RS-1 Emulsified Asphalt	Ton	5.97	8.86			26.82	9.57	6.17	57.39
54	Aggregate in Seal Coat	Cu. Yd.	65	165			75	50	40	395.0
55	Asphaltic Concrete Traffic Markers	Lin. Ft.	314.0					214.3	147.6	675.9
56	1 1/4-3/4 Crushed Gravel in Stockpile	Cu. Yd.								1337.48
57	3/4-1/2 " " "	Cu. Yd.								1617.18
58	1/2-1/4 " " "	Cu. Yd.								1693.96
59	1/4-#10 " " "	Cu. Yd.								620.13
60	Hauling Crushed Gravel Pile Measure	Yd. Mile								17,516.0
P.A2	Special Gravel Borrow	Cu. Yd.								8,316

in Madrona

95

30