

CALCULATIONS

I-18 STABILIZED CRUSHED AGGREGATE (CONT.)

Ramp No. 8	Sta. 6+94.82 to Sta. 12+19.22 = 524.40 x 6.0 ÷ 27 = 116 Cu.Yds.
" " "	Sta. 12+19.22 to Sta. 15+63.82 = 343.74 x 1.9 ÷ 27 = 24 Cu.Yds.
" " "	Sta. 12+19.22 to Sta. 15+63.82 = 345.68 x 4.1 ÷ 27 = 52 Cu.Yds.
" " "	Sta. 15+63.82 to Sta. 18+07.06 = 243.24 x 6.0 ÷ 27 = 54 Cu.Yds.
Ramp No. 9	Sta. 2+98.89 to Sta. 4+56.97 = 154.04 x 4.1 ÷ 27 = 23 Cu.Yds.
" " "	Sta. 4+56.97 to Sta. 7+59.44 = 302.47 x 6.0 ÷ 27 = 67 Cu.Yds.
Ramp No. 10	Sta. 2+07.69 to Sta. 3+96.34 = 202.13 x 1.9 ÷ 27 = 14 Cu.Yds.
" " "	Sta. 2+07.69 to Sta. 3+96.34 = 171.63 x 4.1 ÷ 27 = 26 Cu.Yds.
" " "	Sta. 3+96.34 to Sta. 5+37.94 = 141.60 x 6.0 ÷ 27 = 31 Cu.Yds.
Ramp No. 11	Sta. 2+00 to Sta. 3+94.30 = 206.44 x 1.9 ÷ 27 = 15 Cu.Yds.
" " "	Sta. 2+00 to Sta. 3+94.30 = 175.29 x 4.1 ÷ 27 = 27 Cu.Yds.
" " "	Sta. 0+00 to Sta. 5+31.24 = 531.24 x 6.0 ÷ 27 = 118 Cu.Yds.
Ramp No. 12	Sta. 2+00 to Sta. 4+70.52 = 270.52 x 6.0 ÷ 27 = 60 Cu.Yds.
" " "	Sta. 10+22.58 to Sta. 10+86.99 = 64.41 x 6.0 ÷ 27 = 14 Cu.Yds.
" " "	Sta. 0+00 to Sta. 5+31.24 = 531.24 x 6.0 ÷ 27 = 118 Cu.Yds.
Ramp No. 13	Sta. 2+13.80 to Sta. 3+15.42 = 101.62 x 4.1 ÷ 27 = 15 Cu.Yds.
" " "	Sta. 3+15.42 to Sta. 7+26.86 = 411.44 x 6.1 ÷ 27 = 91 Cu.Yds.
Ramp No. 14	Sta. 2+00 to Sta. 3+62.49 = 174.10 x 1.9 ÷ 27 = 12 Cu.Yds.
" " "	Sta. 2+00 to Sta. 3+62.49 = 147.83 x 4.1 ÷ 27 = 22 Cu.Yds.
" " "	Sta. 3+62.49 to Sta. 5+75 = 201.00 x 4.1 ÷ 27 = 31 Cu.Yds.
Ramp No. 15	Sta. 3+56.35 to Sta. 3+78.62 = 22.27 x 4.1 ÷ 27 = 3 Cu.Yds.
" " "	Sta. 3+56.35 to Sta. 3+78.62 = 22.27 x 1.9 ÷ 27 = 2 Cu.Yds.
" " "	Sta. 3+78.62 to Sta. 5+34.35 = 153.41 x 1.9 ÷ 27 = 11 Cu.Yds.
" " "	Sta. 3+78.62 to Sta. 5+34.35 = 158.66 x 4.1 ÷ 27 = 24 Cu.Yds.
" " "	Sta. 5+34.35 to Sta. 13+32.52 = 798.17 x 6.0 ÷ 27 = 177 Cu.Yds.
Lloyd Rd. Connection	Sta. 0+00 to Sta. 3+41.96 = 341.96 x 8.2 ÷ 27 = 104 Cu.Yds.
" " "	Sta. 3+41.96 to Sta. 3+91.46 = 50.00 x 4.1 ÷ 27 = 8 Cu.Yds.
" " "	Sta. 0+00 to Sta. 6+21 = 621 x 3.8 ÷ 27 = 87 Cu.Yds.
Marginal Rd. N ^o 3	Sta. 0+97.60 to Sta. 9+02 = 804.40 x 3.25 x .417 ÷ 27 = 41 Cu.Yds.
" " "	Sta. 9+02 to Sta. 11+98 = 296.00 x 3.25 x .5 ÷ 27 = 18 Cu.Yds.
" " "	Sta. 11+98 to Sta. 45+33 = 3335.00 x 3.25 x .417 ÷ 27 = 167 Cu.Yds.
" " "	Sta. 45+33 to Sta. 47+68 = 235.00 x 3.25 x .5 ÷ 27 = 14 Cu.Yds.
" " "	Sta. 47+68 to Sta. 56+19.95 = 351.95 x 3.25 x .417 ÷ 27 = 43 Cu.Yds.
Slab Bridge Marg. Rd. N ^o 3	Sta. 24+23.49 to Sta. 25+02.51 = -79.02 x 3.25 x .417 ÷ 27 = -4 Cu.Yds.
Marginal Rd. N ^o 2	Sta. 0+61.90 to Sta. 2+50 = 188.10 x 3.25 x .5 ÷ 27 = 11 Cu.Yds.
" " "	Sta. 2+50 to Sta. 18+19 = 1569.00 x 3.25 x .417 ÷ 27 = 79 Cu.Yds.
" " "	Sta. 18+19 to Sta. 23+42 = 523.00 x 3.25 x .5 ÷ 27 = 31 Cu.Yds.
" " "	Sta. 23+42 to Sta. 39+29.72 = 1587.72 x 3.25 x .417 ÷ 27 = 80 Cu.Yds.

I-18 Subtotal = 1826 Cu.Yds.
" " = 5831 Cu.Yds.
" " = 7497 Cu.Yds.

TOTAL I-18 STABILIZED CRUSHED AGGREGATE = 15154 Cu.Yds.

I-12 CONCRETE CURB TYPE 2A

Marginal Rd. N ^o 2	Sta. 0 + 61.90 to Sta. 39 + 29.72 = 3867.8 Lin. Ft.
" " N ^o 3	Sta. 0 + 97.60 to Sta. 56 + 19.95 = 5522.3 Lin. Ft.
" " N ^o 2	Minus Nike Site Rd. = -115 Lin. Ft.
Vine St. Left	Sta. 116 + 12 to Sta. 119 + 79 = 367. Lin. Ft.
" " "	Sta. 120 + 69 to Sta. 121 + 94.59 = 125.6 Lin. Ft.
" " "	Sta. 122 + 52.60 to Sta. 123 + 36.32 = 83.7 Lin. Ft.
" " "	Sta. 124 + 04.08 to Sta. 126 + 50 = 245.9 Lin. Ft.
" " "	Sta. 132 + 80.93 to Sta. 135 + 00 = 219.1 Lin. Ft.
" " Right	Sta. 116 + 00 to Sta. 116 + 88.33 = 88.3 Lin. Ft.
" " "	Sta. 117 + 44.83 to Sta. 117 + 83.84 = 39.0 Lin. Ft.
" " "	Sta. 118 + 40.33 to Sta. 126 + 50 = 809.7 Lin. Ft.
" " "	Sta. 132 + 86.93 to Sta. 135 + 00 = 213.1 Lin. Ft.
Median	Sta. 117 + 20 to Sta. 118 + 50 = 260 Lin. Ft.
" "	Sta. 121 + 80 to Sta. 126 + 50 = 940 Lin. Ft.
Relocated Lakeland	Sta. 6 + 00 to Sta. 28 + 09.03 = 5618.1 Lin. Ft.
Minus E. 365 TH St.	= -88 Lin. Ft.
" " 367 TH "	= -50 Lin. Ft.
Slab Bridge Marg. Rd. N ^o 3	Sta. 24 + 43 to Sta. 25 + 04 = -61 Lin. Ft.
TOTAL CONCRETE CURB TYPE 2A	= 18,086 Lin. Ft.

I-12 CONCRETE CURB TYPE 6

Ramps 1 & 2	Sta. 5+32 to Sta. 11+97.45 = 665.45 x 2 = 1330.9 Lin. Ft.
Lloyd Rd. Connection	Sta. 0+00 to Sta. 6+21 = 621 x 2 = 1242 Lin. Ft.
TOTAL CONCRETE CURB TYPE 6	= 2573 Lin. Ft.

I-21-4" PORTLAND CEMENT CONCRETE MEDIAN

Ramps 1 & 2	Sta. 5+32 to Sta. 11+97.45 = 665.45 x 2 ÷ 9 = 148 Sq. Yds.
Lloyd Rd. Connection	Sta. 0+00 to Sta. 6+21 = 621 x 2 ÷ 9 = 138 Sq. Yds.
Vine St.	Sta. 117+20 to Sta. 118+50 = 130 x 2 ÷ 9 = 29 Sq. Yds.
" "	Sta. 121+80 to Sta. 126+50 = 470 x 2 ÷ 9 = 104 Sq. Yds.
TOTAL I-21-4" PORTLAND CEMENT CONCRETE MEDIAN	= 419 Sq. Yds.

E-8 REMOVAL AND DISPOSAL OF EXISTING PAVEMENT

Vine St.	Sta. 113+50 to Sta. 135+00 = 2150 x 36 ÷ 9 = 8600 Sq. Yds.
Existing Lakeland	Sta. 190+50 to Sta. 212+35 = 2185 x 26 ÷ 9 = 6312 Sq. Yds.
TOTAL E-8 REMOVAL AND DISPOSAL OF EXISTING PAV'T.	= 14912 Sq. Yds.

E-8 REMOVAL AND DISPOSAL OF EXISTING CURB

Vine St.	Sta. 113+50 to Sta. 135+00 = 2150 x 2 = 4300 Lin. Ft.
" " Minus Intersections at E. 365 TH St. & Existing Lakeland	= -350 Lin. Ft.
Existing Lakeland	Sta. 190+50 to Sta. 212+35 = 2185 x 1 = 2185 Lin. Ft.
" " Minus 75' at Beidler Plus 200' at Vine St.	= 125 Lin. Ft.
TOTAL E-8 REMOVAL AND DISPOSAL OF EXISTING CURB	= 6260 Lin. Ft.

E-1 COMPACTED SUBGRADE

T-71-10"	226,258 Sq. Yds.
I-7	3,495 Sq. Yds.
T-71-9"	45,138 Sq. Yds.
B-33	95,491 Sq. Yds.
T-35 (Campbell, Beidler, Code)	106 Cu. Yds. ÷ 36 = 2,944 Sq. Yds.
SUB TOTAL	= 372,926 Sq. Yd.
Deduct for Rock Area (Sta. 100+00 To 103+50) 350 x 102 x 1/9 =	3,967 Sq. Yd.
TOTAL E-1 COMPACTED SUBGRADE	= 368,959 Sq. Yd.