

# CALCULATIONS

## B-33-3" BITUMINOUS MACADAM BASE COURSE (CONT.)

Ramp No. 10	Sta. 2 +07.69 to Sta. 3 +96.34 =	202.13 x 3 ÷ 9 =	67 Sq. Yds.
" " "	Sta. 2 +07.69 to Sta. 3 +96.34 =	171.63 x 8 ÷ 9 =	153 Sq. Yds.
" " "	Sta. 3 +96.34 to Sta. 5 +37.94 =	141.60 x 11 ÷ 9 =	173 Sq. Yds.
Ramp No. 11	Sta. 2 +00 to Sta. 3 +94.30 =	206.44 x 3 ÷ 9 =	69 Sq. Yds.
" " "	Sta. 2 +00 to Sta. 3 +94.30 =	175.29 x 8 ÷ 9 =	156 Sq. Yds.
" " "	Sta. 0 +00 to Sta. 5 +31.24 =	531.24 x 11 ÷ 9 =	649 Sq. Yds.
Ramp No. 12	Sta. 2 +00 to Sta. 4 +70.52 =	270.52 x 11 ÷ 9 =	330 Sq. Yds.
" " "	Sta. 10 +22.58 to Sta. 10 +86.99 =	64.41 x 11 ÷ 9 =	78 Sq. Yds.
" " "	Sta. 0 +00 to Sta. 5 +31.24 =	531.24 x 11 ÷ 9 =	649 Sq. Yds.
Ramp No. 13	Sta. 2 +13.80 to Sta. 3 +15.42 =	101.62 x 8 ÷ 9 =	90 Sq. Yds.
" " "	Sta. 3 +15.42 to Sta. 7 +26.86 =	411.44 x 11 ÷ 9 =	502 Sq. Yds.
Ramp No. 14	Sta. 2 +00 to Sta. 3 +62.49 =	174.10 x 3 ÷ 9 =	58 Sq. Yds.
" " "	Sta. 2 +00 to Sta. 3 +62.49 =	147.83 x 8 ÷ 9 =	131 Sq. Yds.
" " "	Sta. 3 +62.49 to Sta. 5 +75.00 =	201.00 x 8 ÷ 9 =	179 Sq. Yds.
Ramp No. 15	Sta. 3 +56.35 to Sta. 3 +78.62 =	22.27 x 8 ÷ 9 =	20 Sq. Yds.
" " "	Sta. 3 +56.35 to Sta. 3 +78.62 =	22.27 x 3 ÷ 9 =	7 Sq. Yds.
" " "	Sta. 3 +78.62 to Sta. 5 +34.35 =	153.41 x 3 ÷ 9 =	51 Sq. Yds.
" " "	Sta. 3 +78.62 to Sta. 5 +34.35 =	158.66 x 8 ÷ 9 =	141 Sq. Yds.
" " "	Sta. 5 +34.35 to Sta. 13 +32.52 =	798.17 x 11 ÷ 9 =	976 Sq. Yds.
Lloyd Rd. Connection	Sta. 0 +00 to Sta. 3 +41.96 =	341.96 x 16 ÷ 9 =	608 Sq. Yds.
" " "	Sta. 3 +41.96 to Sta. 3 +91.96 =	50 x 8 ÷ 9 =	44 Sq. Yds.
" " "	Sta. 0 +00 to Sta. 6 +21 =	621 x 6 ÷ 9 =	414 Sq. Yds.
Marginal Road (Rush) N <sup>o</sup> 2	Sta. 0 +61.90 to Sta. 4 +89.13 =	427.23 x 3 ÷ 9 =	142 Sq. Yds.
" " "	Sta. 4 +89.13 to Sta. 9 +63.36 =	473.20 x 3 ÷ 9 =	157 Sq. Yds.
" " "	Sta. 9 +63.36 to Sta. 18 +18.71 =	855.35 x 3 ÷ 9 =	285 Sq. Yds.
" " "	Sta. 18 +18.71 to Sta. 23 +42.42 =	524.94 x 3 ÷ 9 =	175 Sq. Yds.
" " "	Sta. 23 +42.42 to Sta. 39 +29.72 =	1587.30 x 3 ÷ 9 =	529 Sq. Yds.
Marginal Road (Campbell) N <sup>o</sup> 3	Sta. 0 +97.60 to Sta. 9 +02.08 =	804.48 x 3 ÷ 9 =	268 Sq. Yds.
" " "	Sta. 9 +02.08 to Sta. 45 +32.61 =	3630.53 x 3 ÷ 9 =	1210 Sq. Yds.
" " "	Sta. 45 +32.61 to Sta. 47 +67.64 =	235.58 x 3 ÷ 9 =	79 Sq. Yds.
" " "	Sta. 47 +67.64 to Sta. 56 +19.95 =	852.31 x 3 ÷ 9 =	284 Sq. Yds.
Slab Bridge Marg. Rd. N <sup>o</sup> 3	Sta. 24 +23.49 to Sta. 25 +02.51 =	-79.02 x 3 ÷ 9 =	-26 Sq. Yds.

Subtotal = 8648 Sq. Yds.

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" = 45207 Sq. Yds.  
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TOTAL B-33-3" BITUMINOUS MACADAM BASE COURSE = 88069 Sq. Yds.

## T-31 BITUMINOUS SURFACE TREATMENT

Bituminous Material as per plan (Two Applications)  
No. 6 Aggregate  
No. 46 Aggregate

88069 x .50 = 44035 Gal.  
88069 x .008 = 705 Cu. Yds.  
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## I-22-6" SUBBASE UNDER PAVEMENT

Freeway Eastbound	Sta. 100+00 to Sta. 114+34.43 =	1434.43 x 36 ÷ 54 =	957 Cu. Yds.
" "	Sta. 114+34.43 to Sta. 116+03 =	168.57 x 36 ÷ 54 =	112 Cu. Yds.
" "	Sta. 117+97.50 to Sta. 120+58 =	260.50 x 36 ÷ 54 =	174 Cu. Yds.
" "	Sta. 120+58 to Sta. 128+88.72 =	830.72 x 36 ÷ 54 =	554 Cu. Yds.
" "	Sta. 131+04.28 to Sta. 155+16.40 =	2412.12 x 36 ÷ 54 =	1608 Cu. Yds.
" "	Sta. 156+97.90 to Sta. 194+89.24 =	3791.34 x 36 ÷ 54 =	2527 Cu. Yds.
" "	Sta. 197+04.26 to Sta. 234+44.16 =	3739.90 x 36 ÷ 54 =	2493 Cu. Yds.
" "	Sta. 236+42.60 to Sta. 291+63.10 =	5520.50 x 36 ÷ 54 =	3681 Cu. Yds.
" "	Sta. 293+50.53 to Sta. 299+21.74 =	571.21 x 36 ÷ 54 =	381 Cu. Yds.
" "	Sta. 299+21.74 to Sta. 306+20 =	698.26 x 24 ÷ 54 =	310 Cu. Yds.
" "	Sta. 306+20 to Sta. 310+29.21 =	409.21 x 36 ÷ 54 =	273 Cu. Yds.
" "	Sta. 313+07.19 to Sta. 314+42.20 =	135.01 x 36 ÷ 54 =	90 Cu. Yds.
" "	Sta. 314+42.20 to Sta. 316+38.20 =	196 x 36 ÷ 54 =	131 Cu. Yds.
" "	Sta. 316+38.20 to Sta. 320+04.06 =	365.86 x 24 ÷ 54 =	163 Cu. Yds.
" "	Sta. 320+04.06 to Sta. 335+05.71 =	1501.65 x 24 ÷ 54 =	667 Cu. Yds.
" "	Sta. 118+00 to Sta. 120+58 =	258 x 6 ÷ 54 =	29 Cu. Yds.
" "	Sta. 141+15 to Sta. 146+16.64 =	495.07 x 12 ÷ 54 =	110 Cu. Yds.
" "	Sta. 146+16.64 to Sta. 149+50 =	333.36 x 12 ÷ 54 =	74 Cu. Yds.
" "	Sta. 149+50 to Sta. 152+00 =	250 x 6 ÷ 54 =	28 Cu. Yds.
" "	Sta. 174+50 to Sta. 176+53.79 =	203.79 x 6 ÷ 54 =	24 Cu. Yds.
" "	Sta. 215+96.49 to Sta. 222+00 =	603.51 x 12 ÷ 54 =	134 Cu. Yds.
" "	Sta. 222+00 to Sta. 224+50 =	250 x 6 ÷ 54 =	28 Cu. Yds.
" "	Sta. 293+50 to Sta. 296+00 =	250 x 6 ÷ 54 =	28 Cu. Yds.
" "	Sta. 296+00 to Sta. 299+21.74 =	321.74 x 12 ÷ 54 =	71 Cu. Yds.
" "	Sta. 299+21.74 to Sta. 306+20 =	704.11 x 12 ÷ 54 =	156 Cu. Yds.
" "	Sta. 323+03.35 to Sta. 331+50 =	846.65 x 12 ÷ 54 =	188 Cu. Yds.
" "	Sta. 331+50 to Sta. 334+00 =	250 x 6 ÷ 54 =	28 Cu. Yds.
Freeway Westbound	Sta. 100+00 to Sta. 114+34.43 =	1434.43 x 36 ÷ 54 =	957 Cu. Yds.
" "	Sta. 114+34.43 to Sta. 116+03 =	168.57 x 36 ÷ 54 =	112 Cu. Yds.
" "	Sta. 117+97.50 to Sta. 120+58 =	260.50 x 36 ÷ 54 =	174 Cu. Yds.
" "	Sta. 120+58 to Sta. 128+88.72 =	830.72 x 36 ÷ 54 =	554 Cu. Yds.
" "	Sta. 131+04.28 to Sta. 155+16.40 =	2412.12 x 36 ÷ 54 =	1608 Cu. Yds.
" "	Sta. 156+97.90 to Sta. 194+89.24 =	3791.34 x 36 ÷ 54 =	2527 Cu. Yds.
" "	Sta. 197+04.26 to Sta. 234+44.16 =	3739.90 x 36 ÷ 54 =	2493 Cu. Yds.
" "	Sta. 236+42.60 to Sta. 291+63.10 =	5520.50 x 36 ÷ 54 =	3681 Cu. Yds.

I-22 Subtotal = 27,125 Cu. Yds.