

# CALCULATIONS

## T-71-10" REINFORCED CONCRETE PAVEMENT

Freeway Eastbound	Sta. 100 +00	to Sta. 114+34.43	= 1434.43 x 36 ÷ 9 =	5738	Sq. Yds.
" "	Sta. 114 +34.43	to Sta. 116+03	= 168.57 x 36 ÷ 9 =	674	Sq. Yds.
" "	Sta. 117 +97.50	to Sta. 120+58	= 260.50 x 36 ÷ 9 =	1042	Sq. Yds.
" "	Sta. 120 +58	to Sta. 128+88.72	= 830.72 x 36 ÷ 9 =	3323	Sq. Yds.
" "	Sta. 131 +04.28	to Sta. 155+16.40	= 2412.12 x 36 ÷ 9 =	9649	Sq. Yds.
" "	Sta. 156 +97.90	to Sta. 194+89.24	= 3791.34 x 36 ÷ 9 =	15165	Sq. Yds.
" "	Sta. 197 +04.26	to Sta. 234+44.16	= 3739.90 x 36 ÷ 9 =	14960	Sq. Yds.
" "	Sta. 236 +42.60	to Sta. 291+63.10	= 5520.50 x 36 ÷ 9 =	22082	Sq. Yds.
" "	Sta. 293 +50.53	to Sta. 299+21.74	= 571.21 x 36 ÷ 9 =	2285	Sq. Yds.
" "	Sta. 299 +21.74	to Sta. 306+20	= 698.26 x 24 ÷ 9 =	1862	Sq. Yds.
" "	Sta. 306 +20	to Sta. 310+29.21	= 409.21 x 36 ÷ 9 =	1637	Sq. Yds.
" "	Sta. 313 +07.19	to Sta. 314+42.20	= 135.01 x 36 ÷ 9 =	540	Sq. Yds.
" "	Sta. 314 +42.20	to Sta. 316+38.20	= 196 x 36 ÷ 9 =	784	Sq. Yds.
" "	Sta. 316 +38.20	to Sta. 320+04.06	= 365.86 x 24 ÷ 9 =	976	Sq. Yds.
" "	Sta. 320 +04.06	to Sta. 335+05.71	= 1501.65 x 24 ÷ 9 =	4004	Sq. Yds.
" "	Sta. 118 +00	to Sta. 120+58	= 258 x 6 ÷ 9 =	172	Sq. Yds.
" "	Sta. 141 +15	to Sta. 146+16.64	= 49507 x 12 ÷ 9 =	660	Sq. Yds.
" "	Sta. 146 +16.64	to Sta. 149+50	= 333.36 x 12 ÷ 9 =	444	Sq. Yds.
" "	Sta. 149 +50	to Sta. 152+00	= 250 x 6 ÷ 9 =	167	Sq. Yds.
" "	Sta. 174 +50	to Sta. 176+53.79	= 203.79 x 6 ÷ 9 =	136	Sq. Yds.
" "	Sta. 215 +96.49	to Sta. 222+00	= 603.51 x 12 ÷ 9 =	805	Sq. Yds.
" "	Sta. 222 +00	to Sta. 224+50	= 250 x 6 ÷ 9 =	167	Sq. Yds.
" "	Sta. 293 +50	to Sta. 296+00	= 250 x 6 ÷ 9 =	167	Sq. Yds.
" "	Sta. 296 +00	to Sta. 299+21.74	= 321.74 x 12 ÷ 9 =	429	Sq. Yds.
" "	Sta. 299 +21.74	to Sta. 306+20	= 704.11 x 12 ÷ 9 =	939	Sq. Yds.
" "	Sta. 323 +03.35	to Sta. 334+00	= 971.65 x 12 ÷ 9 =	1296	Sq. Yds.
Freeway Westbound	Sta. 100 +00	to Sta. 114+34.43	= 1434.43 x 36 ÷ 9 =	5738	Sq. Yds.
" "	Sta. 114 +34.43	to Sta. 116+03	= 168.57 x 36 ÷ 9 =	674	Sq. Yds.
" "	Sta. 117 +97.50	to Sta. 120+58	= 260.50 x 36 ÷ 9 =	1042	Sq. Yds.
" "	Sta. 120 +58	to Sta. 128+88.72	= 830.72 x 36 ÷ 9 =	3323	Sq. Yds.
" "	Sta. 131 +04.28	to Sta. 155+16.40	= 2412.12 x 36 ÷ 9 =	9649	Sq. Yds.
" "	Sta. 156 +97.90	to Sta. 194+89.24	= 3791.34 x 36 ÷ 9 =	15165	Sq. Yds.
" "	Sta. 197 +04.26	to Sta. 234+44.16	= 3739.90 x 36 ÷ 9 =	14960	Sq. Yds.
" "	Sta. 236 +42.60	to Sta. 291+63.10	= 5520.50 x 36 ÷ 9 =	22082	Sq. Yds.
" "	Sta. 293 +50.53	to Sta. 299+21.74	= 571.21 x 36 ÷ 9 =	2285	Sq. Yds.
" "	Sta. 299 +21.74	to Sta. 306+20	= 698.26 x 24 ÷ 9 =	1862	Sq. Yds.
" "	Sta. 306 +20	to Sta. 310+29.21	= 409.21 x 36 ÷ 9 =	1637	Sq. Yds.
" "	Sta. 313 +07.19	to Sta. 314+42.20	= 135.01 x 36 ÷ 9 =	540	Sq. Yds.
" "	Sta. 314 +42.20	to Sta. 320+04.06	= 561.86 x 24 ÷ 9 =	1498	Sq. Yds.
" "	Sta. 320 +04.06	to Sta. 335+05.71	= 1501.65 x 24 ÷ 9 =	4004	Sq. Yds.
" "	Sta. 110 +10	to Sta. 112+60	= 250 x 6 ÷ 9 =	167	Sq. Yds.
" "	Sta. 112 +60	to Sta. 114+34.43	= 174.43 x 12 ÷ 9 =	233	Sq. Yds.
" "	Sta. 114 +34.43	to Sta. 116+03	= 165.92 x 12 ÷ 9 =	221	Sq. Yds.
" "	Sta. 117 +97.50	to Sta. 121+44.37	= 341.41 x 12 ÷ 9 =	455	Sq. Yds.
" "	Sta. 127 +97.32	to Sta. 128+88.72	= 91.40 x 12 ÷ 9 =	122	Sq. Yds.
" "	Sta. 131 +04.28	to Sta. 132+30	= 127.36 x 12 ÷ 9 =	170	Sq. Yds.
" "	Sta. 132 +30	to Sta. 134+80	= 250 x 6 ÷ 9 =	167	Sq. Yds.
" "	Sta. 170 +50	to Sta. 173+00	= 250 x 6 ÷ 9 =	167	Sq. Yds.
" "	Sta. 173 +00	to Sta. 179+53.79	= 654.57 x 12 ÷ 9 =	873	Sq. Yds.
" "	Sta. 216 +96.49	to Sta. 218+00	= 103.51 x 12 ÷ 9 =	138	Sq. Yds.
" "	Sta. 218 +00	to Sta. 220+50	= 250 x 6 ÷ 9 =	167	Sq. Yds.
" "	Sta. 320 +04.06	to Sta. 324+50	= 445.94 x 12 ÷ 9 =	595	Sq. Yds.
" "	Sta. 324 +50	to Sta. 327+00	= 250 x 6 ÷ 9 =	167	Sq. Yds.
" "	Sta. 259 +85.49	to Sta. 260+64.51	= -79.02 x 72 ÷ 9 =	-632	Sq. Yds.

T-71-10" Subtotal 177,572 Sq. Yds.

## T-71-10" REINFORCED CONCRETE PAVEMENT (CONT.)

Ramp No. 1	Sta. 1 + 57.84	to Sta. 6 + 19.86	= 462.02 x 16 ÷ 9 =	821	Sq. Yds.
" " "	Sta. 5 + 33.94	to Sta. 11 + 97.45	= 663.51 x 16 ÷ 9 =	1180	Sq. Yds.
Ramp No. 2	Sta. 2 + 00	to Sta. 5 + 33.94	= 333.94 x 16 ÷ 9 =	594	Sq. Yds.
" " "	Sta. 5 + 33.94	to Sta. 11 + 97.45	= 663.51 x 16 ÷ 9 =	1180	Sq. Yds.
Ramp No. 3	Sta. 1 + 95.07	to Sta. 10 + 28.59	= 833.52 x 16 ÷ 9 =	1482	Sq. Yds.
Ramp No. 4	Sta. 4 + 34.98	to Sta. 8 + 99.65	= 464.67 x 16 ÷ 9 =	826	Sq. Yds.
Ramp No. 5	Sta. 4 + 89.36	to Sta. 15 + 91.49	= 1102.13 x 16 ÷ 9 =	1960	Sq. Yds.
Ramp No. 6	Sta. 5 + 55.10	to Sta. 20 + 15.09	= 1459.99 x 16 ÷ 9 =	2595	Sq. Yds.
Ramp No. 7	Sta. 6 + 85	to Sta. 19 + 00	= 1215 x 16 ÷ 9 =	2160	Sq. Yds.
Ramp No. 8	Sta. 6 + 94.82	to Sta. 18 + 57.06	= 1162.24 x 16 ÷ 9 =	2066	Sq. Yds.
Ramp No. 9	Sta. 2 + 98.89	to Sta. 7 + 97.18	= 498.29 x 16 ÷ 9 =	886	Sq. Yds.
Ramp No. 10	Sta. 2 + 07.69	to Sta. 6 + 25.67	= 417.98 x 16 ÷ 9 =	744	Sq. Yds.
Ramp No. 11	Sta. 2 + 00	to Sta. 3 + 94.30	= 194.30 x 16 ÷ 9 =	346	Sq. Yds.
" " "	Sta. 9 + 04.72	to Sta. 10 + 07.93	= 103.21 x 16 ÷ 9 =	183	Sq. Yds.
" " "	Sta. 0 + 00	to Sta. 5 + 31.24	= 531.24 x 16 ÷ 9 =	944	Sq. Yds.
Ramp No. 12	Sta. 2 + 00	to Sta. 4 + 70.52	= 270.52 x 16 ÷ 9 =	481	Sq. Yds.
" " "	Sta. 10 + 22.58	to Sta. 11 + 36.99	= 114.41 x 16 ÷ 9 =	203	Sq. Yds.
" " "	Sta. 0 + 00	to Sta. 5 + 31.24	= 531.24 x 16 ÷ 9 =	944	Sq. Yds.
Ramp No. 13	Sta. 2 + 13.80	to Sta. 7 + 26.86	= 513.06 x 16 ÷ 9 =	911	Sq. Yds.
Ramp No. 14	Sta. 2 + 00	to Sta. 4 + 86.45	= 286.45 x 16 ÷ 9 =	510	Sq. Yds.
Ramp No. 15	Sta. 3 + 56.35	to Sta. 13 + 82.52	= 1026.17 x 16 ÷ 9 =	1822	Sq. Yds.
Lloyd Rd. Connection	Sta. 0 + 00	to Sta. 3 + 91.96	= 391.96 x 32 ÷ 9 =	1392	Sq. Yds.

Subtotal = 24,230 Sq. Yds.  
177,572 Sq. Yds.

TOTAL T-71-10" REINFORCED CONCRETE PAVEMENT = 201,802 Sq. Yds.

## I-7-13" REINFORCED CONCRETE APPROACH SLAB

LaK.-2-0031	(2 x 25 x 48 + 2 x 25 x 36) ÷ 9 =	467	Sq. Yds.
LaK.-2-0057	(2 x 25 x 48 + 2 x 25 x 36) ÷ 9 =	467	Sq. Yds.
LaK.-2-0105	4 x 25 x 36 ÷ 9 =	400	Sq. Yds.
LaK.-2-0181	4 x 25 x 36 ÷ 9 =	400	Sq. Yds.
LaK.-2-0257	4 x 25 x 36 ÷ 9 =	400	Sq. Yds.
LaK.-2-0304	4 x 25 x 36 ÷ 9 =	400	Sq. Yds.
LaK.-2-0363	4 x 25 x 36 ÷ 9 =	400	Sq. Yds.
LaK.-2-0401	4 x 25 x 36 ÷ 9 =	400	Sq. Yds.
LaK.-2-Marginal Rd. N#3	2 x 25 x 29 ÷ 9 =	161	Sq. Yds.

TOTAL I-7-13" REINF. CONC. APPR. SLAB = 3495 Sq. Yds.