

COMPUTATIONS AND SUB-SUMMARIES

LAKE COUNTY
LAK-90-21.51

ITEM 617 - COMPACTED AGGREGATE				
STATIONS		SIDE	LENGTH (FT)	
FROM	TO		LEFT	RIGHT
0 + 12.50	0 + 47.78	L	38.4	61.1
0 + 47.78	9 + 25.00	L	877.2	877.2
9 + 25.00	13 + 68.60	L	0.0	443.6
SUBTOTAL RAMPS			4,236.2	4,073.5
SUBTOTAL MAINLINE			79268.2	79693.4
SUBTOTAL CROSSOVER			1,083.0	0.0
TOTAL			84,587.4	83,766.9

TOTAL = 168,354.3 LIN.FT.

STATION ON MAINLINE		SIDE	WIDTH	LATEX MODIFIED EMULSIFIED ASPHALT PAVEMENT COURSE
FROM	TO			SQ. YDS.
			LIN. FT.	
730+00	830+09	EB	6	6,673
839+20	891+50.47	EB	6	3,487
927+50	1013+62.7	EB	6	5,742
69+10.3	119+07.39	EB	6	3,331
730+00	761+15.2	WB	6	2,077
52+32.6	119+07.39	WB	6	4,450
TOTAL MAINLINE (application rate approx.)				25,760
42 LB/S.Y. ± 4 LB/S.Y.				=====

ITEM 617 - COMPACTED AGGREGATE

$$168,354.3 \text{ L.F.} \times \frac{(3.5 \text{ IN.} \times \frac{1 \text{ FT.}}{12 \text{ IN.}}) \times 5 \text{ FT.}}{2} \times \frac{1 \text{ C.Y.}}{27 \text{ C.F.}} = \underline{4,547 \text{ C.Y.}}$$

ITEM 407 - TACK COAT, AS PER PLAN

$$372,229 \text{ S.Y.} \times (0.075 \text{ GAL/S.Y.}) = 27,917 \text{ GAL.}$$

ITEM 203 - LINEAR GRADING

$$15,082.5 \text{ L.F.} / 100 = 151 \text{ STA.}$$

ITEM 203 - SUBGRADE COMPACTION

$$6307 + 18285 = 24592 \text{ S.Y.}$$