

LAK-44-711
LAKE COUNTY

FENCE REPLACEMENT						
FROM		TO		202	607	607
STATION	OFFSET	STATION	OFFSET	FENCE REMOVED (L.F.)	FENCE TYPE CL (L.F.)	FENCE TYPE 47 (L.F.)
PART I						
37 + 13.92	88' RT.	41 + 60	88' RT.	446'	446'	
41 + 60	88' RT.	41 + 90.2	78' RT.	30'	30'	
41 + 90.2	78' RT.	51 + 28	78' RT.	938'	938'	
51 + 28	78' RT.	54 + 28	71' RT.	300'	300'	
54 + 28	71' RT.	56 + 10	78' RT.	190'	190'	
57 + 05	78' RT.	64 + 00	78' RT.	695'	695'	
64 + 00	78' RT.	67 + 02	101' RT.	303'	303'	
67 + 02	101' RT.	68 + 12	101' RT.	110'	110'	
68 + 12	101' RT.	71 + 35	148' RT.	326'	326'	
71 + 35	148' RT.	77 + 20	195' RT.	97'	97'	
72 + 50	211' RT.	74 + 45	320' RT.	223'	223'	
74 + 45	320' RT.	76 + 24	293' RT.	182'	182'	
36 + 94	98' LT.	39 + 14	78' LT.	221'	221'	
39 + 14	78' LT.	54 + 15	78' LT.	1501'	1501'	
54 + 15	78' LT.	54 + 15	70' LT.	8'	8'	
54 + 15	70' LT.	56 + 25	70' LT.	211'	211'	
56 + 90	80' LT.	58 + 11	80' LT.	121'	121'	
58 + 11	80' LT.	61 + 50	95' LT.	339'	339'	
61 + 50	95' LT.	66 + 50	90' LT.	500'	500'	
66 + 50	90' LT.	70 + 05	150' LT.	360'	360'	
70 + 05	150' LT.	70 + 12	162' LT.	14'	14'	
70 + 12	162' LT.	71 + 06	177.5' LT.	95'	95'	
71 + 06	177.5' LT.	71 + 42	240' LT.	72'	72'	
71 + 42	240' LT.	71 + 52	302' LT.	63'	63'	
71 + 52	302' LT.	71 + 32.55	340.9' LT.	43'	43'	
74 + 05	264' LT.	75 + 00	327' LT.	114'	114'	
75 + 00	327' LT.	75 + 30	305' LT.	37'	37'	
75 + 30	305' LT.	75 + 65	352' LT.	59'	59'	
75 + 65	352' LT.	77 + 34	307' LT.	175'	175'	
77 + 34	307' LT.	78 + 30	233' LT.	121'	121'	
78 + 30	233' LT.	81 + 00	148' LT.	283'	283'	
81 + 00	148' LT.	83 + 00	123' LT.	202'	202'	
83 + 00	123' LT.	84 + 17	120' LT.	108'	108'	
PART II						
76 + 24	293' RT.	76 + 55	288' RT.	30'	30'	
76 + 55	288' RT.	77 + 41	253' RT.	93'	93'	
78 + 80	208' RT.	79 + 08	179' RT.	40'	40'	
79 + 08	179' RT.	84 + 00	115' RT.	496'	496'	
84 + 00	115' RT.	98 + 50	101' RT.	1450'		1450
99 + 70	100' RT.	105 + 00	105' RT.	530'		530
105 + 00	105' RT.	108 + 00	105' RT.	300'		300
108 + 00	105' RT.	111 + 50	99.5' RT.	350'		350
111 + 50	99.5' RT.	113 + 88.5	98.6' RT.	239'		239
113 + 88.5	98.6' RT.	115 + 82.34	98' RT.	197'		197
115 + 82.34	98' RT.	118 + 60.01	103' RT.	278'		278
118 + 60.01	103' RT.	119 + 73	98' RT.	113'		113
120 + 67	97' RT.	147 + 30	100' RT.	2663'		2663
147 + 30	100' RT.	158 + 51	96' RT.	1101'		1101
158 + 51	96' RT.	163 + 70	117' RT.	519'		519
84 + 17	120' LT.	91 + 00	103' LT.	692'		692
91 + 00	103' LT.	147 + 35	98' LT.	- **		5635
147 + 35	98' LT.	163 + 70	115' LT.	1635'		1635
				TOTAL PART I	8,487'	8,487'
				TOTAL PART II	10,726'	659
				GRAND TOTAL	19,213'	9,146
						15,702
						15,702

** NO EXIST. FENCE

EARTHWORK RECAP						
SHEET NO.	203	203	659			
	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION	EMBANKMENT	SEEDING AND MULCHING			
	CU. YDS.	CU. YDS.	SQ. YDS.			
PART I						
33	104	14	361			
PART II						
33	-	38	350			
28	49	488	1339			
29	128	992	2651			
30	157	1242	3012			
31	125	1236	2882			
32	44	512	1128			
TOTAL PART I				104	14	361
TOTAL PART II				503	4508	11,362
GRAND TOTAL				607	4522	11,723

ITEM 659 - COMMERCIAL FERTILIZER	
PART I	$11,362 \times 9 \text{ S.F.} \times 20 \text{ LBS.} \times \frac{1}{2000} \text{ TON} = 1.03 \text{ TONS}$
PART II	$361 \times 9 \text{ S.F.} \times 20 \text{ LBS.} \times \frac{1}{2000} \text{ TON} = 0.03 \text{ TONS}$
TOTAL	= 1.06 TONS
ITEM 659 - AGRICULTURAL LIMING	
PART I	$11,362 \times 9 \text{ S.F.} \times 100 \text{ LBS.} \times \frac{1}{2000} \text{ TON} = 5.11 \text{ TONS}$
PART II	$361 \times 9 \text{ S.F.} \times 100 \text{ LBS.} \times \frac{1}{2000} \text{ TON} = 0.17 \text{ TONS}$
TOTAL	= 5.28 TONS

PRESSURE RELIEF JOINTS					
LOCATION	APPROX. JOINT SPACING	SPECIAL	605		
		PRESSURE RELIEF JOINT TYPE C	AGGREGATE DRAINS		
		LIN. FT.	LIN. FT.		
PART I					
MAINLINE	1,000	432	468		
RAMPS	MIDPOINT	64	120		
PART II					
MAINLINE	1,000	232	252		
TOTAL PART I				496	588
TOTAL PART II				232	252
GRAND TOTAL				728	840

ITEM 202 - WEARING COURSE REMOVED				
STATIONS		SIDE	END WIDTH (FT.)	SURFACE AREA (S.Y.)
FROM	TO			
113+34	114+18	SB	25	233
132+03	132+21	SB	25	50
142+96	143+14	SB	25	50
83+42	83+52	NB	12.5	14
110+48	110+58	NB	12.5	14
112+30	112+44	NB	12.5	19
113+63	114+00	NB	25	103
123+76	123+86	NB	25	28
143+01	143+09	NB	25	22
143+59	143+70	NB	12.5	15
TOTAL PART II				548

* THIS ITEM IS SUBJECT TO NONPERFORMANCE IF NOT TO BE REQUIRED.

STRUCTURES								
BRIDGE N°	202	202	516	845	845	845	SPECIAL SEALING OF CONCRETE SURFACES	SPECIAL PATCHING CONCRETE STRUCT. W/ MAGNESIUM PHOSPHATE CONCRETE
	WEARING COURSE REMOVED 2 1/2" ±	VERTICAL EXTENSION OF STRUCT. EXPANSION JOINTS REMOVED	VERTICAL EXTENSION OF STRUCT. EXPANSION JOINTS AS PER PLAN	LATEX MODIFIED CONCRETE OVERLAY 1 1/4"	LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS)	* FULL DEPTH REPAIR		
	SY	LF	LF	SY	CY	CY	SY	SF
LAK-44-0784	1483	184	184	1483	111	2	1150	60 (II)
TOTAL	1483	184	184	1483	111	2	1150	120

ITEM 301 - BITUMINOUS AGGREGATE BASE, (A.P.P.), (UNDER G.R.)	
PART I	
AREA = 4' x 1812.5	= 7250.0 S.F.
VOLUME = 7250.0 x 3" x 1 FT. / 12 IN. x 1 C.Y. / 27 C.F.	= 67 C.Y.
PART II	
AREA = 4' x 1575.0	= 6300.0 S.F.
VOLUME = 6300.0 x 3" x 1 FT. / 12 IN. x 1 C.Y. / 27 C.F.	= 58 C.Y.
TOTAL AREA	= 13550.0 S.F.
TOTAL VOLUME	= 125 C.Y.

ITEM SPECIAL - HERBICIDE FOR WEED CONTROL	
PART I FROM ABOVE	7250.0 (ITEM 301 AREA) ÷ 9 = 806 S.Y.
PART II FROM ABOVE	6300.0 (ITEM 301 AREA) ÷ 9 = 700 S.Y.
TOTAL AREA	= 1506 S.Y.

ITEM 407 - TACK COAT	
PART I	1,497 C.Y. x 36"/YD. = 43,114 S.Y. 43,114 S.Y. x 0.10 GAL. / 1.25"/YD. = 4,311.4 GAL.
PART II	2,236 C.Y. x 36"/YD. = 64,397 S.Y. 64,397 S.Y. x 0.10 GAL. / 1.25"/YD. = 6,439.7 GAL.
TOTAL	= 10,751 GAL.

ITEM 407 - COVER AGGREGATE	
PART I	43,114 S.Y. x 7 LBS. / 2000 LBS. x 1 TON = 150.90 TONS
PART II	64,397 S.Y. x 7 LBS. / 2000 LBS. x 1 TON = 225.39 TONS
TOTAL	= 376.29 TONS