

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
APPROXIMATE ESTIMATE

Job No. 12190(3) 6
FAP No. ACI-90 (22)23 &
TYPE T-71 & Structures
TAKE
COUNT

UNIT PRICE CONTRACT

S. R. NO. 1 & S.R. No. 306

For improving Section LAK-1-4-02, State Routes No. 1 and 306 in Kirtland and Mentor Townships; the Villages of Willoughby Hills and Waite Hill; and the City of Willoughby, Lake County, Ohio, in accordance with plans and specifications by grading, draining, paving with reinforced Portland cement concrete and by constructing:

a continuous steel beam bridge with concrete deck and concrete substructure (Spans 64'-80'-64', roadway 54' between parapets), Bridge No. LAK-1-0426 (N.B.) over State Route No. 174;
 a continuous steel beam bridge with concrete deck and concrete substructure (Spans 56'-70'-56', roadway 54' between parapets), Bridge No. LAK-1-0426 (S.B.) over State Route No. 174;
 a continuous steel beam bridge with concrete deck and concrete substructure (Spans 40'-50'-40', roadway 54' between parapets), Bridge No. LAK-1-0499 (S.B.) over Riverside Drive ;
 a continuous steel beam bridge with concrete deck and concrete substructure (Spans 44'-55'-44', roadway 54' between parapets), Bridge No. LAK-1-0499 (N.B. over Riverside Drive);
 a continuous steel beam bridge with concrete deck and concrete substructure (Twin Bridge, each structure: Spans 64'-80'-80'-64', roadway 54' between parapets), Bridge No. LAK-1-0505 over Chagrin River;

a continuous riveted steel girder bridge with concrete deck and concrete substructure (Twin bridge, each structure: Spans 80'-100'-80', roadway 54' between parapets), Bridge No. LAK-1-0541 over East Branch of Chagrin River;
 a continuous steel beam bridge with concrete deck and concrete substructure (spans 54'-77'-77'-77'-77'-66.5', roadway 30' with 2' safety curbs), Bridge No. LAK-1-0608, Kirtland Road over State Route No. 1;
 and a continuous steel beam bridge with concrete deck and concrete substructure (Spans 57'-71.25'-71.25'-71.25'-71.25'-71.25'-51', roadway 70' including a variable width median and with 2' safety curbs) Bridge No. LAK-1-0665, State Route No. 306 over State Route No. 1

IDTH: PAVEMENT 2 at 24

FT: BOCKWEX

PK LENGTH work - 21,193.17 ft. OR 4.013 MILES.
 Length project- 18,582.30 ft. or 3.519 miles

REF. NO.	ITEM NO.	APPROXIMATE QUANTITIES	ITEM	UNIT PRICE		TOTAL	
				DOLLARS	CENTS	DOLLARS	CENTS
ROADWAY							
1	E-1	1,967,149	cu. yds. roadway excavation, Method "B", as per plan				
2	E-1	150,373	sq. yds. compacted subgrade				
3	E-4	27,576	cu. yds. borrow				
4	E-8	8,775	sq. yds. removal and disposal of existing pavement				
5	E-9	Lump sum	removal of trees and stumps				
6	E-11	10,601	sq. gals. water				
7	I-8	11	each standard monument assemblies				
8	I-8	23	each centerline reference monuments, as per plan				
9	I-15	21,962	lin. ft. guard rail, steel beam standard type (deep), as per standard drawing I-15 No. 2-A				
10	I-16	2	each inlets abandoned				
11	I-125	0.568	mile 4" barrier lines				
12	I-125	11.986	4" edge lines				
13	I-125	2.211	6" lane lines				
14	I-125	Lump sum	curb and island marking				
15	I-127	125	standard delineators				
16	L-6	772	roadside cleanup				
17	L-9	772,332	sq. yds. seeding and protecting, as per plan				
18	L-9	70.36	tons commercial fertilizer (12-12-12)				
19	L-1	17,712	cu. yds. topsoil stockpiled				
20	L-3	43,592	sq. yds. placing stockpiled topsoil (12" thick)				

REF. NO.	ITEM NO.	APPROXIMATE QUANTITIES	ITEM	UNIT PRICE		TOTAL	
				DOLLARS	CENTS	DOLLARS	CENTS
21	L-10	10,679	sq. yds.				
22	L-10	725	sq. yds.				
23	L-9	16	tons				
24	T-10	100	cu. yds.				
25	M-10	5.1	tons				
26	S-15	Lump sum	temporary runaround roads, Class "B" pavement, as per plan				
27	S-15	Lump sum	temporary runaround road using Class "B" Type T-70 pavement, as per plan				
28	S-25	481	lin. ft.	4" asbestos-cement conduit, Sec. M-206.14, as per plan			
29	SS-18	33,277	lin. ft.	fence, Type "D"			
30	Special	2,938	sq. yds.	mixing calcium chloride and crushed aggregate			
31	Special	4	each	Interstate and Defense Highway Signs, furnished and erected			
32	Special	Lump sum	plugging gas well				
33	S-24	Lump sum	removal of one story frame residence, Parcel No. 44-196-1A				
34	S-24	Lump sum	removal of one outbuilding, Parcel No. 44-196-1A				
35	S-24	Lump sum	removal of concrete block storage building, Parcel No. 44-198-1A				
36	S-24	Lump sum	removal of one story frame residence, Parcel No. 44-200-1A				
37	S-24	Lump sum	removal of one outbuilding, Parcel No. 44-200-1A				
38	S-24	Lump sum	removal of two story frame residence, Parcel No. 44-201-1A				
39	S-24	Lump sum	removal of garage, Parcel No. 44-201-1A				
40	S-24	Lump sum	removal of barn, Parcel No. 44-201-1A				
41	S-24	Lump sum	removal of four outbuildings, Parcel No. 44-201-1A				
42	S-24	Lump sum	removal of one story frame residence, Parcel No. 44-202-1A				
43	S-24	Lump sum	removal of two story frame residence, Parcel No. 44-214-1A				
44	S-24	Lump sum	removal of two story frame residence, Parcel No. 44-214-1A				
45	S-24	Lump sum	removal of one frame shed, Parcel No. 44-214-1A				
46	S-24	Lump sum	removal of one story frame residence, Parcel No. 44-216-1A				
47	S-24	Lump sum	removal of two story frame residence, Parcel No. 44-216-1A				
48	S-24	Lump sum	removal of two story frame residence, Parcel No. 44-218-1A				
49	S-24	Lump sum	removal of three frame sheds, Parcel No. 44-218-1A				
50	S-24	Lump sum	removal of garage, Parcel No. 44-218-1A				
51	S-24	Lump sum	removal of one story frame residence, Parcel No. 44-226-1A				
52	S-24	Lump sum	removal of one story frame residence, Parcel No. 44-227-1A				
53	S-24	Lump sum	removal of garage, Parcel No. 44-227-1A				
54	S-24	Lump sum	removal of one story frame residence, Parcel No. 44-228-1A				
55	S-24	Lump sum	removal of two story stucco residence, Parcel No. 44-252-1A				
56	S-24	Lump sum	removal of frame garage, Parcel No. 44-252-1A				

TAXE

COUNTY SECTION

LAK-1-4, 02

TAKE

COUNTY SECTION

LAK-1-4, 02

REF. NO.	ITEM NO.	APPROXIMATE QUANTITIES	ITEM	UNIT PRICE	
				DOLLARS	CENTS
				TOTAL	
				DOLLARS	CENTS
57	S-24	Lump sum	removal of two story frame residence, Parcel No. 44-256-L4		
58	S-24	Lump sum	removal of two story frame residence, Parcel No. 44-256-L4		
59	S-24	Lump sum	removal of frame garage, Parcel No. 44-256-L4		
60	S-24	Lump sum	removal of frame shed, Parcel No. 44-256-L4		
61	S-24	Lump sum	removal of one story frame residence, Parcel No. 44-260-L4		
62			TOTAL ROADWAY		
DRAINAGE					
63	E-2	3,288	cu. yds. excavation for structures		
64	E-3	82,732	cu. yds. channel excavation		
65	E-12	1,115	1 1/2" pipe removed, 15" and under		
66	E-12	1,354	1 1/2" pipe removed, over 15"		
67	I-1	100	60" pipe for drivers		
68	I-2	104	1 1/2" bituminous coated corrugated metal pipe, Sec. M-6.4(c), for Class "A" storm sewers		
69	I-2	30	1 1/2" bituminous coated corrugated metal pipe, Sec. M-6.4(c), for Class "A" storm sewers		
70	I-2	60	1 1/2" bituminous coated corrugated metal pipe, Sec. M-6.4(c), for Class "A" storm sewers		
71	I-2	1,896	1 1/2" reinforced concrete pipe, Sec. M-6.6(a), for Class "A" storm sewers		
72	I-2	56	1 1/2" reinforced concrete pipe, Sec. M-6.6(b), for Class "A" storm sewers		
73	I-2	20	1 1/2" extra-strength plain cement concrete pipe, Sec. M-6.5(b), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers		
74	I-2	134	1 1/2" standard-strength plain cement concrete pipe, Sec. M-6.5(a), or standard-strength vitrified sewer pipe, Sec. M-6.8(a), for Class "A" storm sewers		
75	I-2	1,228	1 1/2" reinforced concrete pipe, Sec. M-6.6(a), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers		
76	I-2	30	1 1/2" Class "A" storm sewers		
77	I-2	104	1 1/2" Class "A" storm sewers		
78	I-2	78	1 1/2" Class "A" storm sewers		
79	I-2	400	1 1/2" reinforced concrete pipe, Sec. M-6.6(b), for Class "A" storm sewers		
80	I-2	50	1 1/2" bituminous coated corrugated metal pipe, Sec. M-6.4(c), for Class "A" storm sewers		
81	I-2	64	1 1/2" bituminous coated corrugated metal pipe, Sec. M-6.4(c), for Class "A" storm sewers		
82	I-2	70	1 1/2" bituminous coated corrugated metal pipe, Sec. M-6.4(c), for Class "A" storm sewers		

LAKE

COUNTY SECTION

LAK-1-4,02

REF. NO.	ITEM NO.	APPROXIMATE QUANTITIES	ITEM	UNIT PRICE		TOTAL	
				DOLLARS	CENTS	DOLLARS	CENTS
83	I-2	98	lin. ft. 36" reinforced concrete pipe, Sec. M-6.6(b), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers				
84	I-2	3,711	lin. ft. 8" extra-strength plain cement concrete pipe, Sec. M-6.5(b), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers under pavement or approaches				
85	I-2	118	lin. ft. 12" extra-strength plain cement concrete pipe, Sec. M-6.5(b), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers under pavement or approaches				
86	I-2	160	lin. ft. 15" extra-strength plain cement concrete pipe, Sec. M-6.5(b), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers under pavement or approaches				
87	I-2	244	lin. ft. 18" extra-strength plain cement concrete pipe, Sec. M-6.5(b), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers under pavement or approaches				
88	I-2	286	lin. ft. 21" reinforced concrete pipe, Sec. M-6.6(b), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers under pavement or approaches				
89	I-2	600	lin. ft. 10" extra-strength plain cement concrete pipe, Sec. M-6.5(b), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers under pavement or approaches				
90	I-2	170	lin. ft. 21" reinforced concrete pipe, Sec. M-6.6(c), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers under pavement or approaches				
91	I-2	90	lin. ft. 24" reinforced concrete pipe, Sec. M-6.6(a), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers under pavement or approaches				
92	I-2	164	lin. ft. 27" reinforced concrete pipe, Sec. M-6.6(a), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers under pavement or approaches				
93	I-2	94	lin. ft. 36" reinforced concrete pipe, Sec. M-6.6(a), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers under pavement or approaches				
94	I-2	166	lin. ft. 24" reinforced concrete pipe, Sec. M-6.6(b), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers under pavement or approaches				
95	I-2	8	lin. ft. 21" reinforced concrete pipe, Sec. M-6.6(a), or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for Class "A" storm sewers under pavement or approaches				

REF. NO.	ITEM NO.	APPROXIMATE QUANTITIES	ITEM	TOTAL	
				DOLLARS	CENTS
96	I-2	82	1 1/2 in. ft. 42" reinforced concrete pipe, Sec. M-6.6(b), for Class "A" storm sewers under pavement or approaches		
97	I-2	160	1 1/2 in. ft. 24" reinforced concrete pipe, Sec. M-6.6(c), for Class "A" storm sewers under pavement or approaches		
98	I-2	178	1 1/2 in. ft. 18" reinforced concrete pipe, Sec. M-6.6(c), for Class "A" storm sewers under pavement or approaches		
99	I-2	182	1 1/2 in. ft. 15" reinforced concrete pipe, Sec. M-6.6(c), for Class "A" storm sewers under pavement or approaches		
100	I-2	126	1 1/2 in. ft. 18" extra-strength plain cement concrete pipe, Sec. M-6.5(b), or extra-strength vitrified sewer pipe, Sec. W-6.8(b), for Class "A" storm sewers under pavement or approaches		
101	I-2	208	1 1/2 in. ft. 21" reinforced concrete pipe, Sec. M-6.6(d), for Class "A" storm sewers under pavement or approaches		
102	I-2	70	1 1/2 in. ft. 48" reinforced concrete pipe, Sec. M-6.6(a), for Class "A" storm sewers under pavement or approaches		
103	I-2	110	1 1/2 in. ft. 15" Class "B" storm sewers under pavement or approaches		
104	I-2	565	1 1/2 in. ft. 36" reinforced concrete pipe, Sec. M-6.6(a), or standard-strength vitrified sewer pipe, Sec. W-6.8(a), for Class "A" storm sewers		
105	I-3	800	1 1/2 in. ft. 6" roadway drainage		
106	I-3	800	1 1/2 in. ft. 8" roadway drainage		
107	I-3	100	1 1/2 in. ft. 8" bituminous coated corrugated metal pipe, Sec. W-6.4(c), for outlets for roadway drainage		
108	I-3	100	1 1/2 in. ft. 10" bituminous coated corrugated metal pipe, Sec. W-6.4(c), for outlets for roadway drainage		
109	I-3	10	1 1/2 in. ft. 15" bituminous coated corrugated metal pipe, Sec. M-6.4(c), for outlets for roadway drainage		
110	I-4	57,628	1 1/2 in. ft. 6" underdrains		
111	I-4	3,969	1 1/2 in. ft. 6" helical perforated corrugated metal pipe, Sec. I-6.4(h), for underdrains		
112	I-4	460	1 1/2 in. ft. 8" plain corrugated metal pipe, Sec. W-6.4(a), for outlets for underdrains		
113	I-5	6	each 6" helical perforated corrugated metal pipe, Sec. W-6.4(h), specials for underdrains		
114	I-5	56	each 6" pipe specials for underdrains		
115	I-5	4	each 15" bituminous coated corrugated metal pipe, Sec. W-6.4(c), specials for Class "A" storm sewers		
116	I-5	2	each 21" bituminous coated corrugated metal pipe, Sec. W-6.4(c), specials for Class "A" storm sewers		
117	I-5	3	each 24" bituminous coated corrugated metal pipe, Sec. W-6.4(c), specials for Class "A" storm sewers		
118	I-5	11	each 8" extra-strength plain cement concrete pipe, Sec. W-6.5(b), or extra-strength vitrified sewer pipe, Sec. W-6.8(b), specials for Class "A" storm sewers		
119	I-5	2	each 8" pipe specials for Class "A" storm sewers		

TAKE

COUNTY, SECTION

LK-1-1, 02

REF. NO.	ITEM NO.	APPROXIMATE QUANTITIES	ITEM	UNIT PRICE	TOTAL	REMARKS
120	I-5	1	18" pipe special for Class "A" storm sewers			
121	I-5	2	18" paved bituminous coated corrugated metal pipe, Sec. K-6.4(d), specials for Class "A" storm sewers			
122	I-5	1	36" bituminous coated corrugated metal pipe, Sec. K-6.4(c), specials for Class "A" storm sewers			
123	I-5	2	54" paved bituminous coated corrugated metal pipe, Sec. K-6.4(d), specials for Class "A" storm sewers			
124	I-5	55	8" extra-strength plain cement concrete pipe, Sec. K-6.5(b), or extra-strength vitrified sewer pipe, Sec. L-6.8(b), specials for Class "A" storm sewers under pavement or approaches			
125	I-5	3	30" reinforced concrete pipe, Sec. K-6.6(b), or extra-strength vitrified sewer pipe, Sec. K-6.8(b), specials for roadway culverts			
126	I-5	2	48" reinforced concrete pipe, Sec. K-6.6(b), specials for roadway culverts			
127	I-5	1	15" cast iron flangate (Armco Model 10-C, or approved equal)			
128	I-5	1	36" cast iron flangate (Armco Model 10-C, or approved equal)			
129	I-8	2	Standard No. 2-2-A catch basins			
130	I-8	10	Standard No. 4 catch basins			
131	I-8	13	Standard No. 5 catch basins			
132	I-8	1	Standard No. 5 catch basin, modified			
133	I-8	3	Standard No. 6 catch basins			
134	I-8	2	Standard No. 2-20 inlets			
135	I-8	2	Standard No. 2-8 inlets			
136	I-8	6	Standard No. 1 manholes			
137	I-8	5	Standard No. 2 manholes without drop pipe			
138	I-9	298	Standard No. 6 catch basins			
139	I-10	1,613	Standard No. 2-20 inlets			
140	I-14	146	Standard Type 1 paved gutter			
141	I-14	1,663	Standard Type 1 paved gutter, modified as per plan			
142	S-1	122.5	Class "C" concrete for structures			
143	S-1	60.7	Class "B" concrete for structures			
144	S-4	5,980	reinforcing steel			
145	S-27	252	21" reinforced concrete pipe, Sec. K-6.6(d), for roadway culverts			
146	S-27	60	15" reinforced concrete pipe, Sec. K-6.6(b), or extra-strength vitrified sewer pipe, Sec. K-6.8(b), for roadway culverts			
147	S-27	96	24" reinforced concrete pipe, Sec. K-6.6(b), or extra-strength vitrified sewer pipe, Sec. K-6.8(b), for roadway culverts			
148	S-27	752	30" reinforced concrete pipe, Sec. K-6.6(b), or extra-strength vitrified sewer pipe, Sec. K-6.8(b), for roadway culverts			
149	S-27	410	30" reinforced concrete pipe, Sec. K-6.6(d), for roadway culverts			
150	S-27	378	48" reinforced concrete pipe, Sec. K-6.6(b), for roadway culverts			

TAKE

COUNTY SECTION

TAKE-1-4.02

REF. NO.	ITEM NO.	APPROXIMATE QUANTITIES	ITEM	UNIT PRICE		TOTAL			
				DOLLARS	CENTS	DOLLARS	CENTS		
151	S-27	112	lin. ft. 45" x 29" reinforced elliptical concrete culvert pipe, Sec. M-206.6(b), for roadway culverts 53" x 34" reinforced elliptical concrete culvert pipe, Sec. M-206.6(b), for roadway culverts 68" x 43" reinforced elliptical concrete culvert pipe, Sec. M-206.6(b), for roadway culverts 36" pipe for roadway culverts 174" sectional corrugated metal structure, Sec. M-6.4(g), gage 5-3 drainage of structures, No. 2 aggregate, as per plan						
152	S-27	607	lin. ft.						
153	S-27	108	lin. ft.						
154	S-27	76	lin. ft.						
155	S-28	464	lin. ft.						
156	S-29	150	cu. yds.						
157			TOTAL DRAINAGE						
158	B-20	957	sq. yds.						
159	B-219	4,570	cu. yds.						
160	B-35	66	cu. yds.						
161	B-19	350	cu. yds.						
162	T-30	691	gals.						
163	T-31	13,709	gals.						
164	T-31	439	cu. yds.						
165	T-32	861	gals.						
166	T-32	239	gals.						
167	T-32	54	cu. yds.						
168	T-32	4	cu. yds.						
169	T-32	8	cu. yds.						
170	T-35	52	cu. yds.						
171	T-71	15,473	sq. yds.						
172	T-71	92,332	sq. yds.						
173	I-7	1,067	sq. yds.						
174	I-7	571.5	sq. yds.						
175	I-12	2,848	lin. ft.						
176	I-12	400	lin. ft.						
177	I-12	1,307	lin. ft.						
178	I-18	8,539	cu. yds.						
179	I-21	195	sq. yds.						
180	I-23	48	each						
181	I-22	30,593	cu. yds.						
182			TOTAL PAVEMENT						

Lake

COUNTY, SECTION

LAK-1-4.02

REF. NO.	ITEM NO.	APPROXIMATE QUANTITIES	ITEM	UNIT PRICE		TOTAL	
				DOLLARS	CENTS	DOLLARS	CENT
182(1)	I-124.03	410	1ln. ft.				
182(2)	I-124.03	10	6" new water line				
182(3)	I-124.03	2,704	8" new water line				
182(4)	I-124.03	1	1 1/2" galvanized nipple				
182(5)	I-124.03	1	1 1/2" galvanized ground union				
182(6)	I-124.03	1	4" cast iron 60 degree lateral				
182(7)	I-124.03	1	4" cast iron socket caps				
182(8)	I-124.03	2	6" cast iron socket caps				
182(9)	I-124.03	1	8" x 8" x 6" tee				
182(10)	I-124.03	1	8" x 8" x 4" tee				
182(11)	I-124.03	1	6" x 6" x 6" tee				
182(12)	I-124.03	1	8" cast iron 11 1/4 degree bends				
182(13)	I-124.03	2	8" cast iron 22 1/2 degree bends				
182(14)	I-124.03	4	8" cast iron 45 degree bends				
182(15)	I-124.03	6	8" cast iron 90 degree bend				
182(16)	I-124.03	1	4" valve and valve box				
182(17)	I-124.03	1	6" valve and valve box				
182(18)	I-124.03	1	8" valve and valve box				
182(19)	I-124.06	1	fire hydrants removed and reset				
182(20)	I-124.08	2	service stop and box removed and reset				
182(21)	I-2	552	1ln. ft.				
182(22)			18" reinforced concrete pipe, Sec. M-6.6(b); or extra-strength vitrified sewer pipe, Sec. M-6.8(b), for storm sewers under pavement or approaches, enclosed, as per plan				
TOTAL - WATER LINE							

Lake

COUNTY, SECTION LAK-1-4, Q2

REF. NO.	ITEM NO.	APPROXIMATE QUANTITIES	ITEM	UNIT PRICE	TOTAL
183	E-2	1ump sum	STRUCTURES OVER 20 FOOT SPAN		
184	E-2	674	cofferdams, cribs and sheeting		
185	S-1	362	cu.yds. unclassified excavation		
186	S-1	181	Class "C" concrete, super-structure		
187	S-1	131	Class "E" concrete, abutments above footings		
188	S-1	196	Class "C" concrete, pier caps and columns		
189	S-1	152,854	Class "E" concrete, footings		
190	S-7	444,100	reinforcing steel		
191	S-8	444,100	structural steel		
192	S-1+	498	field painting of structural steel		
193	S-16	1ump sum	railing (aluminum rail and supports, concrete parapet)		
194	S-18	1,250	first test pile		
195	S-29	66	steel piles, 12 BP 53		
196	I-10	855	cu.yds. porous backfill		
197	I-127	2	crushed aggregate slope protection		
198			bridge delineators		
			Total, Bridge No. LAK-1-0426(N.B.)		
199	E-2	1ump sum	Bridge No. LAK-1-0426(S.B.)		
200	E-2	631	cofferdams, cribs and sheeting		
201	S-1	316	cu.yds. unclassified excavation		
202	S-1	138	Class "C" concrete, super-structure		
203	S-1	133	Class "E" concrete, abutments above footings		
204	S-1	170	Class "C" concrete, pier caps and columns		
205	S-4	140,742	Class "E" concrete, footings		
206	S-7	301,500	reinforcing steel		
207	S-8	301,500	structural steel		
208	S-1+	430	field painting of structural steel		
209	S-18	1,320	railing (aluminum rail and supports, concrete parapet)		
210	S-29	48	steel piles, 12 BP 53		
211	I-10	774	cu.yds. porous backfill		
212	I-127	1	crushed aggregate slope protection		
213			bridge delineators		
			Total, Bridge No. LAK-1-0426(S.B.)		

Lake

COUNTY SECTION LAK-1-4.02

REF. NO.	ITEM NO.	APPROXIMATE QUANTITIES	ITEM	UNIT PRICE		TOTAL	
				DOLLARS	CENTS	DOLLARS	CENTS
214	E-2	Lump sum 557	cofferdams, cribs and sheeting unclassified excavation				
215	E-2						
216	S-1	221	cu.yds. Class "C" concrete, super-structure				
217	S-1	98	cu.yds. Class "C" concrete, pier caps and columns				
218	S-1	97	cu.yds. Class "E" concrete, abutments above footings				
219	S-1	152	cu.yds. Class "E" concrete, footings				
220	S-4	107,005	lbs. reinforcing steel				
221	S-7	169,600	lbs. structural steel				
222	S-8	169,600	lbs. field painting of structural steel				
223	S-14	310	ln.ft. railing (aluminum rail and supports, concrete parapet)				
224	S-16	Lump sum 900	ln.ft. first test pile				
225	S-18						
226	S-29	36	cu.yds. porous backfill				
227	I-10	645	sq.yds. crushed aggregate slope protection				
228	I-127	1	each bridge delineator				
229			Total, Bridge No. LAK-1-0499(S.B.)				
230	E-2	Lump sum 547	cofferdams, cribs and sheeting unclassified excavation				
231	E-2						
232	S-1	243	cu.yds. Class "C" concrete, super-structure				
233	S-1	100	cu.yds. Class "C" concrete, pier caps and columns				
234	S-1	106	cu.yds. Class "E" concrete, abutments above footings				
235	S-1	162	cu.yds. Class "E" concrete, footings				
236	S-4	119,588	lbs. reinforcing steel				
237	S-7	194,600	lbs. structural steel				
238	S-8	194,600	lbs. field painting of structural steel				
239	S-14	343	ln.ft. railing (aluminum rail and supports, concrete parapet)				
240	S-18	900	ln.ft. steel piles, 12 BP 53				
241	S-29	40	cu.yds. porous backfill				
242	I-10	660	sq.yds. crushed aggregate slope protection				
243	I-127	1	each bridge delineator				
244			Total, Bridge No. LAK-1-0499(N.B.)				

Lake

COUNTY, SECTION

LAK-1-4, 02

REF. NO.	ITEM NO.	APPROXIMATE QUANTITIES	ITEM	UNIT PRICE		TOTAL	
				DOLLARS	CENTS	DOLLARS	CENTS
Bridge No. LAK-1-0505							
245	E-2	Lump sum	cofferdams, cribs and sheeting				
246	E-2	724	unclassified excavation				
247	E-2	849	shale excavation				
248	S-1	976	Class "C" concrete, super-structure				
249	S-1	756	Class "C" concrete, piers above footing				
250	S-1	214	Class "E" concrete, abutments above footings				
251	S-1	397	Class "E" concrete, footings				
252	S-4	362, 712	reinforcing steel				
253	S-7	1, 196, 200	structural steel				
254	S-8	1, 196, 200	field painting of structural steel				
255	S-14	1, 270	railing (aluminum rail and supports, concrete parapet)				
256	S-16	Lump sum	first test pile				
257	S-18	900	steel piles, 12 BP 53				
258	S-29	95	porous backfill				
259	I-10	651	crushed aggregate slope protection				
260	I-127	4	bridge delineators				
Total, Bridge No. LAK-1-0505							
Bridge No. LAK-1-0541							
262	E-2	Lump sum	cofferdams, cribs and sheeting				
263	E-2	1, 240	unclassified excavation				
264	E-3	2, 200	channel excavation				
265	S-1	906	Class "C" concrete, super-structure				
266	S-1	723	Class "C" concrete, piers above footings				
267	S-1	299	Class "E" concrete, abutments above footings				
268	S-1	381	Class "E" concrete, footings				
269	S-4	342, 855	reinforcing steel				
270	S-7	1, 197, 600	structural steel				
271	S-8	1, 197, 600	field painting of structural steel				
272	S-14	1, 194	railing (aluminum rail and supports, concrete parapet)				
273	S-16	Lump sum	first test pile				
274	S-18	3, 740	steel piles, 12 BP 53				
275	S-29	1, 117	porous backfill				
276	I-10	1, 336	crushed aggregate slope protection				
277	I-10	2, 400	dumped rock channel protection				
278	I-127	4	bridge delineators				
279	Total, Bridge No. LAK-1-0541						

Lake

COUNTY, SECTION

LAK-1-4.02

REF. NO.	ITEM NO.	APPROXIMATE QUANTITIES	ITEM	UNIT PRICE	TOTAL
Bridge No. LAK-1-0608					
280	E-2	Jump sum	cofferdams, cribs and sheeting		
281	E-2	642	unclassified excavation		
282	S-1	506	Class "C" concrete, super-structure		
283	S-1	81	Class "E" concrete, abutments		
284	S-1	141	Class "C" concrete, pier caps and columns		
285	S-1	200	Class "E" concrete, footings		
286	S-4	192,737	reinforcing steel		
287	S-7	504,000	structural steel		
288	S-8	504,000	field painting of structural steel		
289	S-14	916	railing (aluminum rail and supports, concrete parapet)		
290	S-16	Jump sum	first test pile		
291	S-18	4,275	steel piles, 12 BP 53		
292	S-29	26	porous backfill		
293	I-10	573	crushed aggregate slope protection		
294	293(1)	Special Jump sum	8" W. I. water line (Sec. M-6.10 Std.), as per plan		
			Total, Bridge No. LAK-1-0608		

Lake

COUNTY SECTION

LAK-1-4.02

REF. NO.	ITEM NO.	APPROXIMATE QUANTITIES	ITEM	UNIT PRICE		TOTAL	
				Dollars	Cents	Dollars	Cents
295	E-2	1,132	cu.yds.				
296	S-1	1,011	cu.yds.				
297	S-1	151	cu.yds.				
298	S-1	272	cu.yds.				
299	S-1	326	cu.yds.				
300	S-4	385,358	lbs.				
301	S-7	834,300	lbs.				
302	S-8	834,300	lbs.				
303	S-14	843	lin.ft.				
304	S-16	lump sum					
305	S-18	10,255	lin.ft.				
306	Special	612	lin.ft.				
307	S-29	55	cu.yds.				
308	I-10	756	sq.yds.				
309							
Total, Bridge No. LAK-1-0665							
310	Special	lump sum					
construction layout stakes							
311							
Lump Sum — Premium on Industrial Insurance							
312							
Lump Sum — Maintaining Traffic, Including Lights, Signs, Barricades and Watchmen, Twenty-four Hour Service							

Estimated Cost of roadway, drainage, pavement, water line and structures \$
 Estimated Cost of Repairs to Detour \$
 Estimated Cost of rights of way for Rt. 306 \$
 Estimated Cost of Engineering, Superintendence and Contingencies \$
 Approximate Total Cost and Expense \$

DISTRIBUTION OF FUNDS

Federal \$
 State \$
 County \$
 Municipality \$
 Other \$

Submitted May 18 1959

By *[Signature]*

Approved as to Financing 195

Dep. Dir. of Planning & Programming

Approved 195

[Signature]
 Director of Highways