FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	STATE	1954

4/8

LAK.-528-(3.71-4.35)
LAKE COUNTY.

PAVEMENT CALCULATIONS.

ASPHALTIC CONCRETE SURFACE COURSE ITEM T-35

Sta. 0+62 to Sta. 52+00 = 5138 x 24 = 123,312 ÷ 9 = 13,701.33 Sq. Yds.
Sta. 52+00 to Sta. 52+90 = 90 x 22.5 = 2,025 ÷ 9 = 225 Sq. Yds.
Extra Area 1¼" Average 466 Sq. Yds.
Extra Area 1¼" 33 Sq. Yds.
Total 14,425.33 Sq. Yds.
Total 14,425.33 Sq. Yds. ÷ 36 x 1¼ = 500.88 Cu. Yds
Use = 501 Cu. Yds.

ASPHALTIC CONCRETE LEVELING COURSE ITEM B-35

Sta. 0+62 to Sta. 52+00 = 5138 x 24 = 123,312 ÷ 9 = 13,701.33 Sq. Yds.
Sta. 52+00 to Sta. 52+70 = 70 x 22.5 = 1575 ÷ 9 = 175 Sq. Yds.
Extra Area - 1¼" 33 Sq. Yds.
Total 13,909.33 Sq. Yds
13,909.33 Sq. Yds. ÷ 36 x 1.25 = 482.96 Cu. Yds.
125 Cu. Yds. per mile x .996 Miles = 124.50 Cu. Yds.
Total 607.46 Cu. Yds
Use 607 Cu. Yds.

ASPHALTIC CONCRETE BASE COURSE ITEM - B-35.

Sta. 0+62 to Sta. 52+00 = 5138 x 8.5 = 43,673 ÷ 9 = 4,852.56 Sq. Yds.
Sta. 52+00 to Sta 52+90 = 90 x 7.0 = 630.0 ÷ 9 = 70.0 Sq. Yds.
Extra Area. .70 Sq. Yds.
Total 4,923.26 Sq. Yds.
Deduct for intersection & Extra area 143 Sq. Yds.
4,780.26 Sq. Yds
Total 4,780.26 Sq. Yds. ÷ 36 x 3 = 398.36 Cu. Yds
Use 398 Cu. Yds.

CRUSHED AGGREGATE BASE COURSE B-119

Sta. 0+62 to Sta. 52+00 = 5138 x 9.33 = 47,937.54 ÷ 9 = 5326.39 Sq. Yds.
Sta. 52+00 to Sta. 52+90 = 90 x 7.83 = 704.70 ÷ 9 = 78.30 Sq. Yds
Extra Area. .70 Sq. Yds.
Total 5405.39 Sq. Yds.
Deduct for Intersection & Extra Area 143. Sq. Yds.
Total 5262.39 Sq. Yds.
5262.39 Sq. Yds ÷ 36 x 5 = 730.89 Cu. Yds.
Use = 731.0 Cu. Yds

BITUMINOUS TACK COAT. (0.10 gal per sq. yds.) ITEM - T-30

Sta. 0+62 to Sta. 52+90 = 5228 x 16 = 83,648 ÷ 9 = 9,294.22 Sq. Yds.
Extra Area & Intersection, 136 + 134 + 76 + 119 + 37 = 548. Sq. Yds.
9,842.22 Sq. Yds
Total 9,842.22 Sq. Yds. x 0.10 Gal. = 984.22 Gallons.
Use 984 Gallons.

SEALING VERTICAL FACE OF EXISTING PAVEMENT ITEM B-35

Sta. 0+62 to Sta. 52+90 = 5228 x 2 = 10,456 Lin. ft.
Deduct for Intersection & Extra Area = 375 Lin. ft
Total 10,081 Lin. ft

SUMMARY OF QUANTITIES

Sheet No	Adjust Inlet Casting to grade	Build Spec. C.B No. 1 with Salvaged Casting	Rebuild Inlet Basin into M.H. & furnish casting	Mon. Boxes adjust to grade	8" Pipe for Storm Sewer	12" Pipe for Storm Sewer	Remove Exist. Conc. Headwall
	Each	Each	Each	Each	Lin. ft.	Lin. ft.	Lump Sum.
5	18	1	1	3	4		
6	6						
7	6			1			
8	2	1	1			100	Lump Sum
Total	32	2	2	4	4	100	Lump Sum

GENERAL SUMMARY

Item No	QUAN.	Unit	
E-1	2580	Cu. Yds.	Roadway Excavation as per plan
I-8	32	Each	Inlet Casting adjusted to grade
I-8	2	Each	Special Catchbasin No. 1 with salvaged casting, as per plan
I-8	2	Each	Rebuild Inlet Basin into Manhole and furnish and place Standard No. 1 Manhole Frame and Cover
I-8	4	Each	Monument Box adjusted to grade
I-2	4	Lin. ft.	8" Pipe for Storm Sewer.
I-2	100	Lin. ft.	12" Pipe for Storm Sewer.
S-24	Lump Sum		Removal and Disposal of Existing Concrete Headwall
S.S.-10	12	Cu. Yds.	Stabilized Crushed Aggregate Shoulder and approaches.
T-35	501	Cu. Yds.	Asphaltic Concrete Surface Course. (70-80) Type "A"
B-35	607	Cu. Yds.	Asphaltic Concrete Leveling Course. (70-80)
B-35	398	Cu. Yds.	Asphaltic Concrete Base Course. (70-80)
B-119	731	Cu. Yds.	Crushed Aggregate Base as per plan
T-30	984	Gallons	Bituminous Tack Coat as per plan
B-35	10,081	Lin. ft.	Sealing Vertical Face of Existing Pavement.

GENERAL SUMMARY, PAVEMENT CALC, SUMMARY OF QUANTITIES