

PAVEMENT CALCULATIONS.

Line Data
 Begin Project Station 50+37.24
 End Project Station 67+38.74
 Gross and Net Length of Project 1701.50 Lin. feet = .322 Miles

1 1/4" ASPHALTIC CONCRETE SURFACE COURSE TYPE "A" ITEM T-35

Station 50+37.24 to Station 67+38.74 = 1701.50 x 22 x 1/4" = 27
 Extra Area (See Sheet No 8)
 Extra Area (See Sheet No 9)

144.42 Cu. Yds.
 13.00 Cu. Yds.
 11.11 Cu. Yds.
 168.53 Cu. Yds. Use 169 Cu. Yds.

Total Asphaltic Concrete Surface Course

1 1/4" ASPHALTIC CONCRETE LEVELING COURSE ITEM B-35

Station 50+37.24 to Station 67+38.74 = 1701.50 x 22 x 1/4" = 27
 Extra Area (See Sheet No 8)
 Extra Area (See Sheet No 9)

144.42 Cu. Yds.
 13.00 Cu. Yds.
 11.11 Cu. Yds.

Total Asphaltic Concrete Leveling Course

3" ASPHALTIC CONCRETE BASE COURSE ITEM B-35

Station 50+37.24 to Station 67+38.74 = 1701.50 x 22 x .25 = 27

354.48 Cu. Yds.

Extra Area (See Sheet No 8)
 Extra Area (See Sheet No 9)

31.00 Cu. Yds.
 28.34 Cu. Yds.

Total Asphaltic Concrete Base Course

413.82 Cu. Yds. Use 414 Cu. Yds.

5" GRANULATED SLAG (GRADE B) BASE COURSE (S.S.M-103.12) - SPECIAL

Station 50+37.24 to Station 67+38.74 = 1701.50 x 23.33 ÷ 9 =

4410.67 Sq. Yds.

Extra Area (See Sheet No 8)
 Extra Area (See Sheet No 9)

365.00 Sq. Yds.
 351.18 Sq. Yds.

Total Granulated Slag Base Course.

5,126.85 Sq. Yds. Use 5,127 Sq. Yds.

SEEDING AND PROTECTING TYPE "A" ITEM L-9

102,699 Sq. ft ÷ 1000 = 102.70
 Agricultural Ground Limestone 102.70 x 100 Lbs. = 10,270 Lbs. ÷ 2000
 Commercial Fertilizer 102.70 x 20 Lbs. = 2,054 Lbs. ÷ 2000
 Seeding and Protecting 102,699 ÷ 9 =

5.14 Tons
 1.03 Tons
 11,411 Sq. Yds.

FED. RD. DIVISION	STATE	FEDERAL AID PROJECT	TYPE FUNDS
2	OHIO	S-34 (2)	POST WAR

LAKE COUNTY
 LAK 528-579

GENERAL SUMMARY

FEDERAL CODE TYPE 6201

Item	Roadway	Munic.	Rural	Quantities	Unit
E-1	Roadway Excavation	1410	368	1778	Cu. Yds.
E-4	Borrow	3063	469	3532	Cu. Yds.
E-8	Removal and Disposal of existing pavement	1855	538	2393	Sq. Yds.
I-8	Monument Boxes as per plan	6	3	9	Each
I-15	Guard Rail, Steel Beam Type (Deep)	125		125	Lin. Ft.
I-17	Side Approach, Mail Box Turnouts and berm material, as per plan	19		19	Cu. Yds.
I-1	12" Pipe for Driveways	75		75	Lin. Ft.
I-15	Guard Rail Removed and Rebuilt	41		41	Lin. Ft.
Pavement					
T-35	Asphaltic Concrete Surface Course "Type A" (70-80)	127	42	169	Cu. Yds.
B-35	Asphaltic Concrete Base Course (70-80)	310	104	414	Cu. Yds.
B-35	Asphaltic Concrete Leveling Course (70-80)	127	42	169	Cu. Yds.
Special	5" Granulated Slag (Grade B) Base Course (S.S.M-103.12)	3833	1294	5127	Sq. Yds.
Structures 20 Ft. Span & Under					
E-2	Excavation for Structures	20		20	Cu. Yds.
S-1	Concrete for Structures, Class "C"	42.61		42.61	Cu. Yds.
S-4	Reinforcing Steel	5456		5456	Pounds
Roadway Continued					
L-9	Seeding & Protecting, Type A	9544	1867	11,411	Sq. Yds.
L-9	Agricultural Ground Limestone	4.30	.84	5.14	Tons
L-9	Commercial Fertilizer (10-6-4)	.86	.17	1.03	Tons
T-110	Traffic Compacted Surface Course for maintaining traffic	100	50	150	Cu. Yds.
M-10	Calcium Chloride for maintaining traffic	.67	.33	1	Ton

SUMMARY OF QUANTITIES

Sheet No	GUARD RAIL		DRIVES		EARTHWORK				
	Remove & Rebuild	Guard Rail	Sheet No	I-17	Station	Exc.	Emb.		
	Lin. Ft.	Lin. Ft.		Cu. Yds.	From	To	Emb. %		
5	41		5	19	50+37.24	67+38.74	1778	4352	5310
6		125	Total	19					
Total	41	125							

MON. BOX	
Sheet No	Number
7	9

REM. & DISP. EXIST. PAVEMENT	
Sheet No	Sq. Yds.
5	1855

Sheet No	5" Gran. Slag Base Course	3" Asphaltic Conc. Base Course	1 1/4" Asphaltic Conc. Leveling Course	1 1/4" Asphaltic Conc. Surface Course	Extra Asphaltic Conc. Leveling Course	Rem. & Disp. of Existing Pavement
	Sq. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Cu. Yds.	Sq. Yds.
8	365	31	13	13		
9	351.18	28.34	11.11	11.11		538
Total	716.18	59.34	24.11	24.11	2	538