

PAVEMENT CALCULATIONS

FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO		473

LAK-84-(0.43-1.44)
LAKE COUNTY

ASPHALTIC CONCRETE SURFACE COURSE ITEM T-35

WILLOUGHBY HILLS VILLAGE :

Sta. 0+60 to Sta. 19+06.6
 $1846.6 \times 24 \div 9 = 4924 \text{ Sq. Yds.}$

Extra Areas (From Plan Sheets):

Sta. 0+35 to Sta. 0+60 = 77 " "
5001 Sq. Yds.

$5001 \times 1.00 \div 36 = 139 \text{ Cu. Yds.}$

Sta. 0+10 to Sta. 0+35 = 167 Sq. Yds.
Eddy Rd. = 177 " "

344 Sq. Yds.

$344 \times 1.25 \div 36 = 12 \text{ " "}$

Additional from Plan Shts. = 75 " "

TOTAL WILLOUGHBY HILLS VILLAGE = 226 Cu. Yds.

CITY OF WICKLIFFE :

Sta. 19+06.6 to Sta. 149+16
 $13009.4 \times 24 \div 9 = 34,692 \text{ Sq. Yds.}$

Extra Areas (From Plan Shts):

Bishop Rd. = 328 " "
Sunset Rd. = 104 " "
Rockefeller Dr. (Rt.) = 139 " "
Garden Dr. = 90 " "
Rush Rd. = 139 " "
Country Club Dr. = 94 " "
Ridgehurst Dr. = 81 " "
Pine Ridge Dr. = 86 " "

35,753 Sq. Yds.

$35,753 \times 1.00 \div 36 = 993 \text{ Cu. Yds.}$

Johnson Dr. = 75 Sq. Yds.
Clark Dr. = 111 " "
E. 290th St. = 322 " "
Lincoln Rd. = 172 " "
Green Ridge Dr. = 181 " "
Buena Vista Dr. = 161 " "
Rockefeller Dr. (Lt.) = 148 " "
E. 300th St. = 156 " "
Sta. 149+16 to Sta. 149+41.11 = 75 " "

1401 Sq. Yds.

$1401 \times 1.25 \div 36 = 49 \text{ " "}$

Additional from Plan Shts. = 145 " "

TOTAL CITY OF WICKLIFFE = 1187 Cu. Yds.

ASPHALTIC CONCRETE LEVELING COURSE ITEM B-35

WILLOUGHBY HILLS VILLAGE :

Sta. 0+60 to Sta. 19+06.6 = 4924 Sq. Yds.

Extra Areas (From Plan Shts):

Sta. 0+35 to Sta. 0+60 = 77 " "
5001 Sq. Yds.

$5001 \times 1.50 \div 36 = 208 \text{ Cu. Yds.}$

Additional from Plan Shts. = 12 " "

TOTAL WILLOUGHBY HILLS VILLAGE = 220 Cu. Yds.

CITY OF WICKLIFFE :

Sta. 19+06.6 to Sta. 52+50 = 8,916 Sq. Yds.
Sta. 37+50 to Sta. 108+00 = 3,867 Sq. Yds.

Extra Areas (From Plan Shts):

Bishop Rd. = 328 " "
E. 290th St. = 84 " "
Green Ridge Rd. = 28 " "
Sunset Rd. = 104 " "
Rockefeller Dr. = 175 " "
E. 300th St. = 29 " "
Garden Dr. = 90 " "
Rush Rd. = 139 " "
Country Club Dr. = 94 " "
Ridgehurst Dr. = 81 " "
Pine Ridge Dr. = 86 Sq. Yds.

14,021 Sq. Yds.

TOTAL CITY OF WICKLIFFE = 14,021 x 1.5 ÷ 36 = 584 Cu. Yds.

ASPHALTIC CONCRETE PRE-LEVELING COURSE ITEM B-35

WILLOUGHBY HILLS VILLAGE :

Sta. 0+60 to Sta. 19+06.6
 $1846.6 \times 20 \div 9 = 4104 \text{ Sq. Yds.}$

Extra Area (From Plan Shts):

Sta. 0+35 to Sta. 0+60 = 77 " "
4181 Sq. Yds.

$4181 \times 4.25 \div 36 = 494 \text{ Cu. Yds.}$

Sta. 0+10 to Sta. 0+35 = 77 Sq. Yds. x 2.5 ÷ 36 = 5 " "

TOTAL WILLOUGHBY HILLS VILLAGE = 499 Cu. Yds.

CITY OF WICKLIFFE :

Sta. 19+06.6 to Sta. 35+00
 $1593.4 \times 20 \div 9 = 3541 \text{ Sq. Yds.} \times 4.25 \div 36 = 418 \text{ Cu. Yds.}$

Sta. 35+00 to Sta. 37+50
 $250 \times 20 \div 9 = 556 \text{ Sq. Yds.} \times 9.50 \div 36 = 147 \text{ " "}$

Sta. 52+50 to Sta. 93+50 = 4100 L.F.
Sta. 108+00 to Sta. 149+16 = 4116 L.F.
 $8216 \times 22 \div 9 = 20,084 \text{ Sq. Yds.} \times 2.50 \div 36 = 1395 \text{ " "}$

TOTAL CITY OF WICKLIFFE = 1960 Cu. Yds.

8" PORTLAND CEMENT CONCRETE BASE COURSE ITEM B-70

WILLOUGHBY HILLS VILLAGE :

Sta. 0+60 to Sta. 19+06.6
 $1846.6 \times 6 \div 9 = 1231 \text{ Sq. Yds.}$

Extra Areas (From Plan Shts):

Sta. 0+10 to Sta. 0+60 = 25 " "
Eddy Rd. = 64 " "
Additional from Plan Shts & Detail Shts. = 297 " "

TOTAL WILLOUGHBY HILLS VILLAGE = 1617 Sq. Yds.

CITY OF WICKLIFFE :

Sta. 19+06.6 to Sta. 37+50
 $1843.4 \times 6 \div 9 = 1229 \text{ Sq. Yds.}$

Sta. 37+50 to Sta. 52+50
 $1500 \times 26 \div 9 = 4333 \text{ " "}$

Sta. 52+50 to Sta. 93+50
 $4100 \times 4 \div 9 = 1822 \text{ " "}$

Sta. 93+50 to Sta. 108+00
 $1450 \times 26 \div 9 = 4189 \text{ " "}$

Sta. 108+00 to Sta. 149+16
 $4116 \times 4 \div 9 = 1829 \text{ " "}$

Extra Areas (From Plan Shts):

Johnson Dr. = 20 " "
Clark Dr. = 19 " "
Bishop Dr. = 328 " "
E. 290th St. = 84 " "
Lincoln Rd. = 14 " "
Green Ridge Dr. = 28 " "
Sunset Rd. = 104 " "
Buena Vista Dr. = 12 " "
Rockefeller Dr. = 175 " "
E. 300th St. = 34 " "
Garden Dr. = 90 " "
Rush Rd. = 139 " "
Country Club Dr. = 94 " "
Ridgehurst Dr. = 81 " "
Pine Ridge Dr. = 86 " "
Sta. 149+16 to Sta. 149+41.11 = 3 " "

14,713 Sq. Yds.

Additional from Plan Shts & Detail Shts = 149 " "

TOTAL CITY OF WICKLIFFE = 14,862 Sq. Yds.

4" SUBBASE ITEM I-22

WILLOUGHBY HILLS VILLAGE :

Sta. 0+60 to Sta. 19+06.6
 $1846.6 \times 8 \div 9 = 1641 \text{ Sq. Yds.}$

Extra Areas (From Plan Shts):

Sta. 0+10 to Sta. 0+60 = 41 " "
Eddy Rd. = 87 " "
1769 Sq. Yds.

$1769 \times 4 \div 36 = 197 \text{ Cu. Yds.}$

Additional from Plan Shts. & Detail Shts. = 41 " "

TOTAL WILLOUGHBY HILLS VILLAGE = 238 Cu. Yds.

CITY OF WICKLIFFE

Sta. 19+06 to Sta. 37+40
 $1843.4 \times 8 \div 9 = 1639 \text{ Sq. Yds.}$

Sta. 37+50 to Sta. 52+50
 $1500 \times 28 \div 9 = 4667 \text{ " "}$

Sta. 52+50 to Sta. 93+50
 $4100 \times 6 \div 9 = 2733 \text{ " "}$

Sta. 93+50 to Sta. 108+00
 $1450 \times 28 \div 9 = 4511 \text{ " "}$

Sta. 108+00 to Sta. 149+16
 $4116 \times 6 \div 9 = 2744 \text{ " "}$

Extra Areas (From Plan Shts):

Johnson Dr. = 25 " "
Clark Dr. = 36 " "
Bishop Rd. = 386 " "
E. 290th St. = 102 " "
Lincoln Rd. = 14 " "
Green Ridge Dr. = 33 " "
Sunset Rd. = 111 " "
Buena Vista Dr. = 20 " "
Rockefeller Dr. = 186 " "
E. 300th St. = 44 " "
Garden Dr. = 100 " "
Rush Rd. = 145 " "
Country Club Dr. = 100 " "
Ridgehurst Dr. = 89 " "
Pine Ridge Dr. = 94 " "
Sta. 149+16 to Sta. 149+41.11 = 6 " "

17,785 Sq. Yds.

$17,785 \times 4 \div 36 = 1976 \text{ Cu. Yds.}$

Additional Sta. 93+50 to Sta. 95+00
 $150 \times 28 \div 9 = 467 \text{ Sq. Yds.} \times 11 \div 36 = 143 \text{ " "}$

Additional from Plan Shts. & Detail Shts. = 14 " "

TOTAL CITY OF WICKLIFFE = 2133 Cu. Yds.