

PAVEMENT CALCULATIONS

LAKE COUNTY SEC. LAK.- 640-2.56

T-71 9" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT

U-1090(1) Code Type 7221
 Sta. 136+05.06 To Sta. 137+85.75 (68' Wide)
 $180.69 \times 68 \div 9 =$ 1365.21 Sq. Yds.
 Extra Area Summary Table (Sheet No. 10) 3398.00 Sq. Yds.
 Sta. 139+13.50 To Sta. 140+00 (27.5' Wide)
 $86.50 \times 27.5 \times 2 \div 9 =$ 528.61 Sq. Yds.
 Ben Hur St. Clair Service Rd. Sta. 0+84.00 To Sta. 2+70.71 (29' Wide)
 $186.71 \times 29 \div 9 =$ 601.62 Sq. Yds.

TOTAL 5893.44 Sq. Yds.

UG-1090(1) Code Type 7221
 Sta. 140+00 To Sta. 157+31.51 (27.5' Wide)
 $1731.51 \times 27.5 \times 2 \div 9 =$ 10581.45 Sq. Yds.
 Extra Area Summary Table (Sheet No. 10) 3045.00 Sq. Yds.
 Ben Hur St. Clair Service Rd. Sta. 2+70.71 To Sta. 7+95.27 (29' Wide)
 $524.56 \times 29 \div 9 =$ 1690.25 Sq. Yds.
 Skiff St. Sta. 0+63.85 To Sta. 4+75 And Sta. 5+60.41 To 8+26.27 (29' Wide)
 $677.01 \times 29 \div 9 =$ 2181.48 Sq. Yds.

TOTAL 17498.18 Sq. Yds.

T-35 1 1/2" ASPHALTIC CONCRETE SURFACE COURSE (70-85)

U-1090(1) APPROACH
 Extra Area Summary Table (Sheet No. 10) 1156. Sq. Yds.
 Extra Area Summary Table Ave. Thickness 1 1/2" (SH N° 10) 100. Sq. Yds.
 $1256. \text{ Sq. Yds. } \times 1.5 \div 36 =$ 52.33 Cu. Yds.

B-35 1 1/2" ASPHALTIC CONCRETE LEVELING COURSE (70-85)

U-1090(1) APPROACH
 Extra Area Summary Table 1156. Sq. Yds. $\times 1.5 \div 36 =$ 48.17 Cu. Yds.
 Additional Leveling Course Sta. 133+00 To Sta. 135+00 (Ave. Thick 1 1/2") 1156 S.Y. $\times 1 \div 36 =$ 32.11 Cu. Yds.

TOTAL 80.28 Cu. Yds.

I-22 SUBBASE

U-1090(1) Code Type 7221
 Sta. 136+05.06 To Sta. 137+85.75 (68' Wide)
 $180.69 \times 68 \div 54 =$ 227.54 Cu. Yds.
 Sta. 139+13.50 To Sta. 140+00 (27.5' Wide)
 $86.50 \times 27.5 \times 2 \div 54 =$ 88.10 Cu. Yds.
 Median 12.99' To 12.11' Wide (Ave. End Area = $12.55 \times 1.50 = 1884 \text{ Sq. Ft.}$) Sta. 139+13.50 To Sta. 140+00
 $18.84 \times 86.5 \div 27 =$ 60.36 Cu. Yds.
 Ben Hur St. Clair Service Rd. Sta. 0+84.00 To Sta. 2+70.71 (31' Wide)
 $186.71 \times 31 \div 54 =$ 107.19 Cu. Yds.
 Extra Area Summary Table (SH N° 10) 579.20 Cu. Yds.

TOTAL 1062.39 Cu. Yds.

UG-1090(1) Code Type 7221
 Sta. 140+00 To Sta. 157+31.51 (27.5' Wide)
 $1731.51 \times 27.5 \times 2 \div 54 =$ 1763.58 Cu. Yds.
 Ben Hur St. Clair Service Rd. Sta. 2+70.71 To Sta. 7+95.27 (31' Wide)
 $524.56 \times 31 \div 54 =$ 301.13 Cu. Yds.
 Skiff St. Sta. 0+63.85 To Sta. 4+75 And Sta. 5+60.41 To 8+26.27 31' Wide
 $677.01 \times 31 \div 54 =$ 388.65 Cu. Yds.
 Median 12.11' To 9' Wide (Ave. End Area = $10.56 \times 1.48 = 15.65 \text{ Sq. Ft.}$) Sta. 140+00 To Sta. 143+00
 $15.65 \times 300.00 \div 27 =$ 173.89 Cu. Yds.
 Median 9' Wide (End Area = $9 \times 1.48 = 13.32$) Sta. 143+00 To Sta. 153+00
 $13.32 \times 1000 \div 27 =$ 493.33 Cu. Yds.
 Median 9' To 3.18' Wide (Ave. End Area = $6.09 \times 1.46 = 889 \text{ Sq. Ft.}$) Sta. 153+00 To Sta. 157+31.51
 $889 \times 431.51 \div 27 =$ 142.08 Cu. Yds.
 Extra Area Summary Table (SH N° 10) 570.00 Cu. Yds.

TOTAL 3772.66 Cu. Yds.

I-21 4" PORTLAND CEMENT CONCRETE MEDIAN PAVEMENT

U-1090(1) Code Type 7221
 Sta. 139+13.50 To Sta. 140+00 (Width 12.99' to 12.11')
 $12.55 \times 86.5 \div 9 =$ 120.62 Sq. Yds.
 Extra Area Summary Table (SH N° 10) 30.00 Sq. Yds.

TOTAL 150.62 Sq. Yds.

UG-1090(1) Code Type 7221
 Sta. 140+00 To Sta. 143+00 (Width 12.11' to 9')
 $1056 \times 300 \div 9 =$ 352.00 Sq. Yds.
 Sta. 143+00 To Sta. 153+00 (Width 9')
 $1000 \times 9 \div 9 =$ 1000.00 Sq. Yds.
 Sta. 153+00 To Sta. 157+31.51 (Width 9' to 3.18')
 $6.09 \times 431.51 \div 9 =$ 291.99 Sq. Yds.
 Extra Area Summary Table (SH N° 10) 5.00 Sq. Yds.

TOTAL 1648.99 Sq. Yds.

I-12 STANDARD TYPE 2-A CONCRETE CURB

U-1090(1) Code Type 7221
 Sta. 139+13.50 To Sta. 140+00
 $86.50 \times 2 =$ 173.00 Lin. Ft.
 Ben Hur St. Clair Service Rd. Sta. 0+84.00 To Sta. 2+70.71
 $186.71 \times 2 =$ 373.42 Lin. Ft.
 Extra Area Summary Table (SH N° 10) 49.00 Lin. Ft.
 Deduct For Catch Basins (1 @ 7.92'; 1 @ 7.58') -15.50 Lin. Ft.

TOTAL 579.92 Lin. Ft.

UG-1090(1) Code Type 7221
 Sta. 140+00 To Sta. 157+31.51
 $1731.51 \times 2 =$ 3463.02 Lin. Ft.
 Ben Hur Service Rd. Sta. 2+70.71 To Sta. 7+95.27
 $524.56 \times 2 =$ 1049.12 Lin. Ft.
 Skiff Service Rd. Sta. 0+63.85 To Sta. 4+75 And Sta. 5+60.41 To 8+26.27
 $677.01 \times 2 =$ 1354.02 Lin. Ft.
 Extra Area Summary Tables (SH N° 10) 474.86 Lin. Ft.
 Deduct For Catch Basins (5 @ 7.92'; 2 @ 7.58') -54.76 Lin. Ft.

TOTAL 6286.26 Lin. Ft.

E-8 REMOVAL AND DISPOSAL OF EXISTING PAVEMENT

U-1090(1) Code Type 7221
 Sta. 135+00 To Sta. 140+00 (36' Wide)
 $500 \times 36 \div 9 =$ 2000.00 Sq. Yds.
 Sta. 159+50 To Sta. 161+90 (36' Wide)
 $240 \times 36 \div 9 =$ 960.00 Sq. Yds.
 Extra Area Summary Table (SH N° 10) 195.00 Sq. Yds.
 Driveway Summary Table (SH N° 7) 435.00 Sq. Yds.

TOTAL 3530.00 Sq. Yds.

UG-1091(1) Code Type 7221
 Sta. 140+00 To Sta. 159+50 (36' Wide)
 $1950 \times 36 \div 9 =$ 7800.00 Sq. Yds.
 Extra Area Summary Table & Driveway Summary Table (861+320) 1181.00 Sq. Yds.
 Ben Hur Sta. 0+18 To Sta. 1+33.96 (24' Wide)
 $115.96 \times 24 \div 9 =$ 309.23 Sq. Yds.

9,290.23 Sq. Yds.

E-8 REMOVAL AND DISPOSAL OF EXISTING CURB

U-1090(1) Code Type 7221
 135+00 To Sta. 140+00 (2 x 500'-93' FOR INTERSECTIONS)
 907.00 Lin. Ft.
 Sta. 159+50 To Sta. 162+40 (2 x 290')
 580.00 Lin. Ft.

1487.00 Lin. Ft.

UG-1090(1) Code Type 7221
 Sta. 140+00 To Sta. 159+50 (2 x 1950'-77' FOR INTERSECTIONS & R.R. CROSSING) 3129.0
 Extra Area Summary Table (SH N° 10) 453.0

3582.0 Lin. Ft.