

LAKE COUNTY
S.H.604-SEC.WILLOUGHBY VILLAGE

CALCULATIONS

Net length = 2846.3 + 2235.0 = 5081.3 L.F. or 0.962 miles. Width 36'.
(5081.3 x 36) ÷ 9 = 20,325.2 S.Y. + 452 (extra areas) = 20,777.2 S.Y.

T-35 SURFACE COURSE

(20,777.2 x 1.25/36 = 721.43 C.Y.
351 x 0.025/36 = 6.09 C.Y.
TOTAL T-35 = 721.4 + 6.1 + 2.35 = 729.87 use 730.0 C.Y.

B-35 LEVELING COURSE

(20,777.2 x 1.25/36 = 721.43 C.Y.
Extra level. @ 250 C.Y. per mile = 0.962 x 250 = 240.50 C.Y.
TOTAL B-35 LEVELING = 721.43 + 240.50 - 48.78 (sheet 2) = 913.15 use 913.0 C.Y.

T-30 BITUMINOUS PRIME COAT

[(2846.3 x 36) + (2235.0 x 19)] ÷ 9 = 16103.5 S.Y.
(16103.5 + 452) x 0.10 = 1655.55 use 1656.0 Gals.

RECAP. OF EXTRA AREAS					
SHEET No.	1/4" T-35 S.Y.	1/4" min. B-35 Level. S.Y.	T-35 (aver. 5/8") S.Y.	Rem. exist. wear. course S.Y.	T-35 C.Y.
3			180		
4	430	430	60		2.35
5			86		
6	22	22	25	45	
TOTAL	452	452	351	45	2.35

RECAP. OF CASTINGS RESET				
Sheet No.	San. Manholes Each	Stm. Manholes Each	Water Valves Each	Mon. Box Each
3	4	1	4	1
4	5	7	8	
5	2	9	6	1
6		3		
TOTAL	11	20	18	2

GENERAL SUMMARY			
Item	Description	Quantity	Unit
E-8	Removal and Disposal of Existing Wearing Course	45	S.Y.
T-30	Bituminous Prime Coat - Sec. M-5.12 - AE-3 (including sand cover)	1656	Gals.
T-35	Asphaltic Concrete Surface Course - Type B or Type B Modified as per special provision	730	C.Y.
B-35	Asphaltic Concrete Leveling Course	913	C.Y.
I-8	Resetting Storm Sewer Manholes	20	Each
I-8	Resetting Monument Boxes	2	Each
I-8	Resetting Sanitary Sewer Manholes	11	Each
I-8	Resetting Water Valve Boxes	18	Each