

**LAKE COUNTY
S.H. 327 SEC. MADISON
(PT.) & F**

CALCULATION

MUNICIPAL			
Begin Project	Sta. 0+32		
End Madison part	Sta. 62+05.05		
Total Length	6173.05 Lin. Ft.		
Deductions	106 Lin. Ft.		
Net Length	6067.05 Lin. Ft. or 1.149 mi.		
	T-35		
(6067.05 x 22) ÷ 9	14830.57 Sq. Yds.		
Extra Areas	417 Sq. Yds.		
Total	15247.57 Sq. Yds.		
(5168.37 x 1) ÷ 36	423.54 Cu. Yds.	Use 424	
	B-35 Leveling Course		
Net length	6067.05 Lin. Ft.		
(6067.05 x 22) ÷ 9	14830.57 Sq. Yds.		
Extra Areas	184 Sq. Yds.		
Total	15014.57 Sq. Yds.		
(5014.57 x 1) ÷ 36	417.07 Cu. Yds.		
Extra Leveling	230.00 Cu. Yds.		
Total	647.07 Cu. Yds.	Use 647.	
	B-35 3" Leveling Course		
6067.05 x 2 sides	12134.10 Lin. Ft.		
Deductions	130+86+40+60+288		
Net length	11530.10 Lin. Ft.		
(11530.10 x 3.25) ÷ 9	4163.65 Sq. Yds.		
(4163.65 x 3) ÷ 36	346.97 Cu. Yds.	Use 347	
	Granulated Slag Base Course		
(1530.10 x 3.67) ÷ 9	4701.72 Sq. Yds.	Use 4702	
	E-1		
Area (same as granulated base)	4701.72 Sq. Yds.		
(4701.72 x 8) ÷ 36	1044.82 Cu. Yds.	Use 1045	
	E-10		
Length (same as B-35 3" Leveling Course)	11530.10 Lin. Ft.		
Net length	11530.10 Lin. Ft.	Use 11530	
	I-117		
Net length (same as base course)	11530.10 Lin. Ft.		
(11530.10 x 3 x 0.08) ÷ 27	102.49 Cu. Yds.		
102.49 + 15%	117.86 Cu. Yds.	Use 118	
	T-30		
Length (same as T-35)	6067.05 Lin. Ft.		
(6067.05 x 16) ÷ 9	10785.87 Sq. Yds.		
Intersections	184.00 Sq. Yds.		
Total Area	10569.87 Sq. Yds.		
10569.87 x 10 gal.	10569.87 Gallons	Use 1057	

RURAL			
Begin Project	Sta. 62+05.05		
End Project	Sta. 112+95		
Total Length	5089.95 Lin. Ft.		
Deductions	none		
Net length	5089.95 Lin. Ft. or .964 miles		
	T-35		
(5089.95 x 22) ÷ 9	12442.10 Sq. Yds.		
Extra Areas	715+81		
Total	13258.10 Sq. Yds.		
Deductions	68.40 Sq. Yds.		
Net Area	13169.70 Sq. Yds.		
(13169.70 x 1) ÷ 36	365.83 Cu. Yds.	Use 366	
	B-35 Leveling Course		
Sta. 62+05.05 to 112+85	5079.95 Lin. Ft.		
Deductions	none		
Net length	5079.95 Lin. Ft.		
(5079.95 x 22) ÷ 9	12417.65 Sq. Yds.		
Extra Areas	610+63		
Total	13090.65 Sq. Yds.		
Deductions	68.40 Sq. Yds.		
Net Area	13022.25 Sq. Yds.		
(13022.25 x 1) ÷ 36	361.73 Cu. Yds.		
Extra Leveling	200 x .964 miles		
Total	554.53 Cu. Yds.	Use 555	
	B-35 3" Leveling Course		
Sta. 62+05.05 to 112+04	4998.95 Lin. Ft.		
4998.95 x 2 sides	9997.90 Lin. Ft.		
Deductions	860+28+28		
Net length	9081.90 Lin. Ft.		
(9081.90 x 3.25) ÷ 9	3279.58 Sq. Yds.		
Extra Areas	220		
Total	3499.58 Sq. Yds.		
(3499.58 x 3) ÷ 36	291.63 Cu. Yds.	Use 292	
	Granulated Slag Base Course		
Net length (same as B-35 3" Leveling Course)	9081.90 Lin. Ft.		
(9081.90 x 3.67) ÷ 9	3709.40 Sq. Yds.		
Extra Areas	240		
Net Area	3943.40 Sq. Yds.	Use 3943	
	E-1		
Area (same as Granulated Base Course)	3943.40 Sq. Yds.		
(3943.40 x 8) ÷ 36	876.31 Cu. Yds.	Use 876	
	E-10		
Total length (same as B-35 3" Leveling Course)	9997.90 Lin. Ft.		
Deductions	402+28+28		
Net length	9533.90 Lin. Ft.	Use 9540	
	I-117		
Total length	5089.95 Lin. Ft.		
Deduct Bridge	28.00 Lin. Ft.		
Net Length	5061.95 Lin. Ft.		
2 x 5061.95 x 3 x 0.08 ÷ 27	89.99 Cu. Yds.		
89.99 + 15%	103.49 Cu. Yds.	Use 104	
	T-30		
Sta. 62+05.05 to 112+85	5079.95 Lin. Ft.		
Deduct Bridge	28.00 Lin. Ft.		
Net length	5051.95 Lin. Ft.		
(5051.95 x 16) ÷ 9	8981.24 Sq. Yds.		
Extra Areas (Sheet No. 4)	494.00 Sq. Yds.		
Total Area	9475.24 Sq. Yds.		
9475.24 x 10 gal.	9475.24 Gallons	Use 948	

TRAFFIC:

Traffic shall be maintained at all times. The length of one way traffic zones shall be kept to a minimum consistent with the requirements of Sec. T-35.23.

In addition to the requirements of Sec. G-7.07, Barricades, Danger and Warning Signs, the Contractor shall display one "PLEASE-MEN WORKING ON ROAD" sign furnished by the State at each end of each one way zone and in such a position as to be visible to traffic approaching the one way zone.

The Contractor shall be responsible for the preservation of these signs, shall advance the signs as work progresses and shall return the signs to the State at the completion of the work.

The item of "Maintaining Traffic" shall include furnishing lights, signs, (other than those mentioned above) barricades and watchmen, plus the displaying and advancing of the "PLEASE-MEN WORKING ON ROAD" signs to secure the flow of traffic twenty-four (24) hours daily.

SUMMARY OF QUANTITIES					
ITEM	DESCRIPTION	MUNICIPAL	RURAL	TOTAL	UNIT
T-35	Asphaltic Concrete Surface Course Type B	424	366	790	Cu. Yds.
B-35	Asphaltic Concrete Leveling Course	394	847	1241	Cu. Yds.
Special	Granulated Slag Base Course (Grade B)* 5" thick compacted	4702	3943	8645	Sq. Yds.
I-117	Side Approaches, Mailbox Turnouts and Berm Material	118	104	222	Cu. Yds.
E-1	Roadway Excavation (Unclassified)	1045	876	1921	Cu. Yds.
E-10	Sealing of Existing Pavement Edge (Only)	11530	9540	21070	Lin. Ft.
T-30	Bituminous Prime Coat M-5.12 AE-3 including sand cover	1057	948	2045	Gallons

* Granulated Slag Grade B SS No. M-103.12