

PAVEMENT CALCULATIONS

Line Data

Begin Project Station 14+00

End Project Station 25+00

Gross & Net Length of Project = 1100 Lin. feet = 5280 = .208 Miles

ASPHALTIC CONCRETE SURFACE COURSE (Type A) ITEM T-35

Merger Station 14+00 to Station 15+00 = 100 x 20 = 2000 Sq. ft. ÷ 9 =	222.22	Sq. Yds.
Station 15+00 to Station 21+56.95 = 656.95 x 24 = 15,766.80 Sq. ft. ÷ 9 =	1751.87	Sq. Yds.
Bridge Station 21+56.95 to Station 22+56.05		
Station 22+56.05 to Station 23+21.46 = 65.41 x 24 = 1,569.84 Sq. ft. ÷ 9	174.43	Sq. Yds.
Merger Station 23+21.46 to Station 25+00 = 178.54 x 20 = 3570.80 Sq. ft. ÷ 9 =	396.76	Sq. Yds.
Total	2545.28	Sq. Yds.
Total 2545.28 Sq. Yds. ÷ 36 x 1.5	106.05	Cu. Yds.
Drives & Mail Box Approach	23.6	Cu. Yds.
Total	129.65	Cu. Yds.
Use	130	Cu. Yds.

ASPHALTIC CONCRETE LEVELING COURSE ITEM B-35

Same as Asphaltic Concrete Surface Course Minus Drives & Mail Box Appr. = 106 Cu. Yds

CRUSHED AGGREGATE BASE COURSE ITEM B-119

Merger Station 14+00 to Station 15+00 = 100 x 22 = 2200 Sq. ft. ÷ 9 =	244.44	Sq. Yds.
Station 15+00 to Station 21+41.95 = 641.95 x 26 = 16,690.70 Sq. ft. ÷ 9 =	1854.52	Sq. Yds.
Approach Slabs & Bridge Station 21+41.95 to Station 22+71.05		
Station 22+71.05 to Station 23+21.46 = 50.41 x 26 = 1,310.66 Sq. ft. ÷ 9	145.63	Sq. Yds.
Merger Station 23+21.46 to Station 25+00 = 178.54 x 22 = 3927.88 Sq. ft. ÷ 9 =	436.43	Sq. Yds.
Total	2681.02	Sq. Yds.
Total 2681.02 Sq. Yds. ÷ 36 x 8 =	595.78	Cu. Yds.
Drives & Mail Box Approach	127.00	Cu. Yds.
Total	722.78	Cu. Yds.
Use	723	Cu. Yds.

BITUMINOUS PRIME COAT (0.35 gallons per sq. yd.) ITEM T-30

Sq. Yds. same as Crushed Aggregate Base Course 2681.02 Sq. Yds. x 0.35 Gallons =	938.36	Gallons.
Drives & Mail Box Approach 521.11 Sq. Yds. x 0.35 Gallons =	182.39	Gallons.
Total	1120.75	Gallons
Use 1121 Gallons.		

REINFORCED CONCRETE APPROACH SLAB ITEM I-7

Station 21+41.95 to Station 21+56.95 = 15 x 24 = 360 Sq. ft. ÷ 9	40	Sq. Yds.
Station 22+56.06 to Station 22+71.05 = 15 x 24 = 360 Sq. ft. ÷ 9	40	Sq. Yds.
Total	80	Sq. Yds.

COMPACTED SUBGRADE ITEM E-1

Same as Asph. Conc. Surface Course 2545.28 Sq. Yds + Appr. Slabs 80 Sq. Yds.	2625.28	Sq. Yds.
Use	2625	Sq. Yds.

WATER ITEM E-11

Embankment	585.6	Cu. Yds.
B-119	723	Cu. Yds.
Total	657.9	Cu. Yds.
Use	32,895 = 1000 = 32.90	M. Gallons
	33	M. Gallons

BITUMINOUS TACK COAT (0.10 gallons per sq. yd.) ITEM T-30

Same as reinforced concrete approach slab 80 Sq. Yds x 0.10 gallons = 8 Gallons.
For Tack Coat Materials see Note in Proposal

GENERAL SUMMARY

Item No	Quant.	Unit	Roadway & Drainage
E-1	2443	Cu. Yds.	Roadway Excavation
E-4	4700	Cu. Yds.	Borrow
E-8	1176	Sq. Yds.	Removal & Disposal of Existing Pavement.
I-1	352	Lin. Ft.	12" Pipe for driveways.
I-8	3	Each.	Monument Boxes
I-15	114.30	Lin. Ft.	Guard Rail - Steel Beam Type (Deep)
L-9	7646	Sq. Yds.	Seeding & Protecting
L-9	.69	Ton	Commercial Fertilizer (10-6-4)
E-11	33	M. Gallons	Water
E-1	2625	Sq. Yds.	Compacted Subgrade
I-9	200	Lin. Ft.	Stone Underdrains No. 2.
T-10	50	Cu. Yds.	Traffic Compacted Surface Course for Maintaining Traffic.
M-10	1	Ton	Calcium Chloride Furnished and Applied for Maintaining Traffic.
Pavement.			
T-35	130	Cu. Yds.	Asphaltic Concrete Surface Course, Type "A" (85-100).
B-35	106	Cu. Yds.	Asphaltic Concrete Leveling Course (85-100)
B-119	723	Cu. Yds.	Crushed Aggregate Base
T-30	1121	Gallons	Bituminous Prime Coat, Sec. M-5.1, RT-2 or RT-3, or Sec. M-5.3 MC-0 or MC-1.
T-30	8	Gallons	Bituminous Tack Coat, as per plan.
I-7	80	Sq. Yds.	Reinforced Concrete Approach Slab
Structures Over 20' Span for quantities Structure No. LA-608-0B see sheet No. 16.			