CALC. BY R.L.B. DATE 6/92
CHKD. BY D.J.W. DATE 6/92

LAK – 174 – 2.90
LAKE COUNTY

OHIO
FHWA REGION 5

8/26

PLAN NO. 12D10046

CALCULATIONS AND SUB-SUMMARIES

PAVEMENT SUB-SUMMARY

STATION TO STATION	LENGTH FEET	AVE. WIDTH FEET	PAVEMENT AREA SQ. YDS.	203 SUBGRADE COMPACTION (SQ YDS)	301 6" BITUMINOUS AGGREGATE BASE, AC-20 (CU YDS)	304 6" AGGREGATE BASE, AS PER PLAN (CU YDS)	402 1¾" ASPHALT CONCRETE, AC-20 (CU YDS)	404 1¼" ASPHALT CONCRETE, AC-20 (CU YDS)	404 3" ASPHALT CONCRETE, AC-20, UNDER GUARDRAIL (CU YDS)	407 TACK COAT @ 0.10 GAL/SQ YD (GAL)
STA. 152+35 TO STA. 152+50	15.0	24.0	40.0					1.4		4
STA. 152+50 TO STA. 155+50	300.0	26.0	866.7	866.7	144.5	144.5	42.2	30.1		
STA. 152+94 TO STA. 154+80	186.0	4.0	82.7	82.7	13.8	13.8	4.1	2.9		
STA. 152+94 TO STA. 154+80	186.0	2.5	51.7						4.3	
STA. 155+50 TO STA. 155+65	15.0	24.0	40.0					1.4		4
TOTALS				949.4	158.3	158.3	46.3	35.8	4.3	8

SODDING SUB-SUMMARY

STATION TO STATION	LENGTH FEET	AVE. WIDTH FEET	660 SODDING, AS PER PLAN (SQ YDS)
STA. 154+85 (RT.) TO STA. 156+00 (RT.)	115.0	9.17	117.2
TOTALS			117.2

ITEM 659 – COMMERCIAL FERTILIZER

20 LBS / 1000 S.F. OF PERMANENT SEEDING AND MULCHING &
20 LBS / 1000 S.F. OF TEMPORARY SEEDING AND MULCHING &
20 LBS / 1000 S.F. OF SODDING

AREA FROM ITEM 659 SEEDING AND MULCHING = 684 SQ. YDS.
AREA FROM ITEM 207 TEMPORARY SEEDING AND MULCHING = 150 SQ. YDS.
AREA FROM ITEM 660 SODDING, AS PER PLAN = 118 SQ. YDS.

(684 + 150 + 118) X 9 / 1000 X 20 LBS ÷ 2000 LB/TON = .09 TONS

ITEM 659 – AGRICULTURAL LIMING

100 LBS / 1000 SF OF PERMANENT SEEDING AND MULCHING &
100 LBS / 1000 SF OF SODDING

AREA FROM ITEM 659 SEEDING AND MULCHING = 684 SQ. YDS.
AREA FROM ITEM 660 SODDING, AS PER PLAN = 118 SQ. YDS.

(684 + 118) X 9 / 1000 X 100 LBS ÷ 2000 LB/TON = .36 TONS