Throughout all urban areas in North Carolina, an average of 31.2 per cent of civilian workers are engaged in manufacturing activities. In Cumberland County, this figure is 19.0 per cent. In Mecklenburg County, for example, it was 22.8 per cent; Durham, 27.2 per cent; Guilford, 32.6 per cent, Forsyth, 40.8 per cent. In view of Fort Bragg and Pope Air Force Base, the trade and service section of Cumberland County's employment picture will continue to be strong; but it alone cannot support a population growth by 1980 in the magnitude of 261,000-280,000, as derived in the report, Population.

Of the 43,500 - 54,000 new civilian jobs that must be created to reach these estimates (assuming Fort Bragg strength doesn't increase significantly), let it be assumed that 25 per cent must come from new manufacturing jobs. This would mean about 10,900 - 13,500 new manufacturing jobs, or a total manufacturing employment of about 14,900 - 17,500.

Since nearly 70 per cent of the off-post population of Cumberland County resides within the planning area, it was further assumed that 70 per cent of the new manufacturing jobs will be located within the planning area (7,600 - 9,400 jobs).

The ratio of land area required per worker will very probably from about 30 workers per gross acre in intensive activities, to about 6 workers per acre for extensive manufacturing activities. For these purposes, let it be assumed that the new manufacturing plants would develop at a density of 25 workers per acre. There would thus be a need of 300 - 380 additional manufacturing acres.

	1960	1970	1980
Acres in industrial use	565.0	800-830	920-1040

Estimates of Transportation, Communication, and Public Utility Land

An estimate of the acres required for transportation, communication and public utility uses was derived using the same approach as used above for manufacturing. In 1960, 5.2 per cent of the County civilian employment were engaged in activities in this category; for urban North Carolina, 5.9 per cent were similarly engaged. Assuming that 5.5 per cent of the new jobs will fall in this category, there will be, by 1980, 2400 - 3000 new jobs in transportation, communication and public utilities. Again, assuming that 70 per cent of these new jobs will be created within the planning area, there will be 1700 - 2100 new jobs in this category in the planning area in 1980.

In 1960, there were about 4 employees per acre of land. However, much of the 1700 acreage was in rail marshalling yards and the City's sewage treatment plant. A more plausible assumption for 1980 would be about 30 employees per acre. This means 60 - 70 new acres in this category by 1980.