

BACKGROUND MATERIALS ON

CONSTRUCTION EMPLOYMENT
IN THE NEWARK AREA

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U.S. DEPARTMENT OF LABOR
Bureau of Labor Statistics
341 Ninth Avenue
New York, New York 10001

March 1970



Civilian labor force and unemployment
Newark SMSA, Annual averages, 1968

Item	Number	Percent
Civilian labor force	790,000	100
White	640,000	81
Negro and other races	150,000	19
Unemployment	32,000	100
White	19,000	58
Negro and other races	14,000	42
Unemployment rate	xx	4.1
White	xx	2.9
Negro and other races	xx	9.1

Note: Number range for total unemployment was 28-36,000; for white, 16-22,000; and for Negro and other races, 9-19,000. The rate range for total unemployment was 3.6-4.6; for white, 2.4-3.4; and for Negro and other races, 6.5-11.7. Chances are 9 out of 10 that unemployment data from a complete Census would fall within these ranges.

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**WORK FORCE, UNEMPLOYMENT, AND EMPLOYMENT
NEWARK LABOR AREA, 1956-1969**
(In thousands)

Year	Work Force ^a	Unemployment		Employment		
		Number	Rate (Percent)	Nonagricultural		Agricultural
				Wage and Salary Employment	All Other ^b	
1956	749.7	40.7	5.4	624.6	77.6	4.5
1957	769.3	46.2	6.0	640.0	78.6	4.3
1958	773.8	65.5	8.5	622.9	81.0	4.1
1959	776.7	51.1	6.6	639.4	82.4	3.6
1960	794.5	50.0	6.3	655.9	85.1	3.3
1961	801.9	54.0	6.7	656.0	87.7	3.1
1962	808.6	46.5	5.7	671.9	86.5	3.0
1963	815.6	48.3	5.9	680.3	83.9	2.9
1964	826.8	45.8	5.5	693.0	84.1	2.5
1965	849.4	39.3	4.6	723.6	83.6	2.2
1966	862.7	35.3	4.1	744.9	80.0	2.1
1967	877.1	36.3	4.1	761.0	77.4	1.9
1968	886.3	35.8	4.0	772.5	75.0	1.7
1969	901.5	34.8	3.9	789.9	74.3	1.6

^a Persons involved in labor-management disputes are included in total work force estimates and are excluded from unemployment and employment estimates.

^b "All other" nonagricultural employment includes self-employed, unpaid family, and domestic workers in private households.

All estimates are adjusted to first quarter 1968 benchmarks.

Annual average work force and employment data from 1963 on are based on monthly data.

Annual averages for 1962 and prior years are based on bimonthly data.

Source: New Jersey Department of Labor and Industry.

Estimated construction employment in
Newark SMSA, 1960-69

Year	Employment
1960	39,800
1961	41,300
1962	41,300
1963	39,100
1964	42,700
1965	46,400
1966	45,400
1967	44,100
1968	44,700
1969	45,800

Note: Contract construction establishment data were adjusted to include construction employment in government agencies, self-employed, unpaid family workers, government workers and persons employed but not at work; excludes the secondary jobs of multiple job holders. Adjustments based on national relationships.

Ratio of wage and salary employment in Newark SMSA to national employment in contract construction, 1958-69.

Year	Employment		Ratio
	(in thousands)		
	National	Newark SMSA	
1958 ...	2,778.0	26.4	.95
1959 ...	2,960.0	27.2	.92
1960 ...	2,885.0	28.2	.98
1961 ...	2,816.0	29.3	1.04
1962 ...	2,902.0	29.3	1.01
1963 ...	2,963.0	27.7	.93
1964 ...	3,050.0	30.3	.99
1965 ...	3,186.0	32.9	1.03
1966 ...	3,275.0	32.2	.98
1967 ...	3,208.0	31.3	.98
1968 ...	3,267.0	31.7	.97
1969 <u>1/</u>	3,410.0	32.9	.96
1975 <u>2/</u> estimated	4,190.0	40.2	.96

Source: Bureau of Labor Statistics establishment data.

1/ Preliminary.

2/ 1975 estimate for Newark SMSA based on maintenance of its ratio to U.S. employment in 1975, resulting in a net growth of 7,300 jobs between 1969 and 1975. One local projection puts the gain nearer to 2,000 jobs.

Industrial construction plans approved
Newark Area, 1960-69

Year	: Total new buildings :		New	
	: and additions :		buildings	
	: Number :	: Square feet :	: Number :	: Square feet :
	: (000) :	: (000) :		: (000) :
1960	246	2,816	129	1,588
1961	192	4,496	89	3,851
1962	273	2,925	126	1,933
1963	276	3,153	132	1,836
1964	266	3,210	131	2,000
1965	285	3,590	125	1,994
1966	323	6,173	132	3,353
1967	254	3,827	105	1,979
1968	247	4,770	123	3,428
1969	252	4,102	106	2,815

Residential construction authorized by building permits
Newark Area and City of Newark, 1960-69

Year	: Cost of : residential : construction : Newark Area : (000's)	Newark Area			City of Newark	
		: Dwelling units authorized :			: Dwelling units : authorized	
		: Total :	: Public :	: Private :	: Total :	: Private :
1960	\$129,938	9,545	224	9,321	916	916
1961	163,031	12,182	2,708	9,474	2,647	249
1962	135,609	10,027	64	9,963	216	216
1963	141,335	10,849	252	10,597	329	N.A.
1964	179,945	16,035	60	15,975	1,681	1,681
1965	171,701	11,997	375	11,622	557	557
1966	147,566	10,261	1,438	8,823	1,502	502
1967	132,175	7,801	1,048	6,753	1,337	337
1968	118,067	6,504	917	5,587	1,105	619
1969	92,441	3,456	-	3,456	651	-

Source: New Jersey Department of Labor and Industry, Division of Planning and Research

Estimated employment in construction,
selected building trades occupations,
Newark SMSA, 1960

Occupation	Total employment <u>1/</u>	Percent of craft in construction		Estimated employment in construction <u>4/</u>
		Newark <u>2/</u>	United States <u>3/</u>	
Carpenters	5,825	79.5	78.9	4,631
Electricians	3,160	44.1	38.2	1,394
Masons	2,460	n.a.	87.6	2,155
Painters and paperhangers	4,070	n.a.	71.8	2,922
Plasterers and cement finishers .	280	n.a.	95.0	266
Plumbers and pipefitters	3,230	62.4	61.7	2,016
Structural metal workers	490	n.a.	57.7	283
Sheet-metal workers	1,335	15.3	25.0	204
Construction machine operators ..	700	16.8	75.4	118
Construction laborers	5,335	100.0	100.0	5,335

1/ 1960 Census of Population data were adjusted to conform to the BLS industry-occupation matrix. These adjustments were made by applying national relationships. First, Census total employment for Newark (680,524) was raised by 3.1471 percent; then, employment for the construction crafts were estimated by applying the occupational employment distribution as reported in the Census to the derived total employment figure.

2/ U.S. Census of Population 1960, Detailed Characteristics, New Jersey, Final Report PC (1)-32 D. table 125, p. 575.

3/ U.S. data from BLS 1960 Industry-Occupation Employment Table, the basic source of which is the 1960 Census of Population. For some occupation groups U.S. and Newark data are not strictly comparable because of differences in the occupational mix of the categories.

4/ Based on Newark percentages where available; U.S. percentages used for the remaining occupations.

Employment in selected building trades occupations
Newark SMSA, 1960 and estimated based
on national trends for 1969

Occupation	: 1960 <u>1/</u>	: Illustrative : estimates for : 1969 <u>2/</u>
Carpenters	5,825	6,408
Construction machine operators	700	966
Electricians	3,160	3,539
Painters and paperhangers	4,070	3,989
Plasters and cement finishers	280	300
Plumbers and pipefitters	3,230	4,231
Structural metal workers	490	858
Sheet-metal workers	1,335	1,469

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2/ Based on national trends for approximately matched occupations for the years 1962-69 extended to 9-year period.

Negroes and other races (other than white)
as a percent of male employment in Newark, New Jersey
by selected occupation, 1960 and illustrative estimates for 1969,
based on national trends

Occupation	1960		1969
	Number	Percent of employment in occupation:	Illustrative estimate
Carpenters	303	5.2	351
Electricians	120	3.8	160
Masons <u>1/</u>	423	17.2	na
Painters (construction) and paperhangers <u>2/</u>	358	8.8	458
Plasterers and cement finishers.	71	25.3	101
Plumbers and pipefitters	74	2.3	107
Structural metal workers	24	4.8	96
Sheet-metal workers	29	2.2	48
Construction machine operators <u>3/</u>	196	28.0	300
Construction laborers	1,894	35.5	na

1/ Also includes tilesetters and stone cutters.

2/ Also includes glaziers.

3/ Also includes cranimen and hoistmen.

Source: 1960 data from U.S. Census of Population 1960, Detailed Characteristics, New Jersey, Final Report PC (1)-32 D, table 122 p. 514-5, adjusted to conform to total occupations as shown in Tables 7 and 8 above.

Estimated separations for males in
selected construction and building trades occupations
in Newark SMSA, 1970-75

Occupation	: Employed : males, : 1960	: Number of : separations, : 1970-75 1/
Total - Selected occupations.	26,885	3,270
Carpenters	5,825	715
Electricians	3,160	390
Masons 2/	2,460	280
Painters (construction) and paperhangers 3/	4,070	555
Plasterers and cement finishers ..	280	30
Plumbers and pipefitters	3,230	405
Structural metal workers	490	55
Sheet-metal workers	1,335	160
Construction machinery operators 4/	700	100
Construction laborers	5,335	580

1/ Rounded to the nearest 5.

2/ Also includes tilesetters and stone cutters.

3/ Also includes glaziers.

4/ Also includes cranemen and hoistmen.

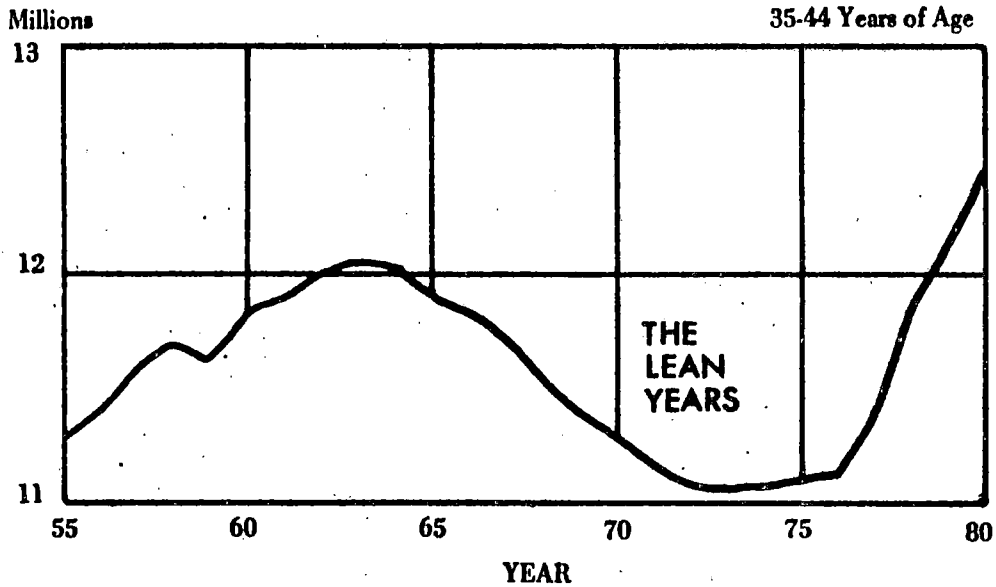
Source: Age specific separation rates for males, based on the Bureau's 1960 tables of working life, were applied to the age distribution of the occupations as reported in the U.S. Census of Population 1960, Detailed Characteristics, New Jersey, Final Report PG (1)-32 D table 123, pp. 531-2, adjusted to BLS industry occupational matrix.

Note: The above estimates do not include allowances for deaths and retirements of new entrants into the occupations after 1960. The assumption being that the great majority of new entrants will be young persons with very low mortality rates and few retirements. To the extent that some new entrants during the 1960-75 period will die or retire, the separations calculated are understated.

Estimated potential job openings in
contract construction industries, Newark SMSA, 1969-75

<u>Source of job openings</u>	<u>Number</u>
<u>Job growth</u>	7,300
New jobs estimated on the assumption that the Newark area's construction industry will retain its share of the U.S. construction total (see Table 4).	
<u>Replacement needs</u>	4,100
Based on estimated rate of separations because of retirement or death, ap= plied to 1960 construction employment in Table 4.	
<u>Total job openings 1969-75</u>	11,400
<u>Average number of job openings per year</u>	1,900

United States
POPULATION, MALES



Projected labor force change by age, United States,
1965-1980

Age	: Labor force - in millions :				Percent change		
	: Actual:	Projected					
	: 1965 :	1970 :	1975 :	1980 :	1965-70:	1970-75:	1975-80
<u>Both sexes</u>							
Total ..	77.2	84.6	92.2	99.9	+ 9.6	+ 8.9	+ 8.4
Under 25	15.7	18.9	21.1	22.6	+20.9	+11.3	+ 7.1
25-34	15.0	17.0	21.1	24.9	+13.1	+24.4	+18.2
35-44	17.2	16.5	16.3	18.5	- 4.3	- 1.2	+13.4
45 and over .	29.3	32.3	33.7	34.0	+10.1	+ 4.6	+ .7
<u>Men</u>							
Total ..	50.9	55.0	59.4	64.1	+ 7.9	+ 8.0	+ 7.9
Under 25	9.8	11.7	13.0	13.9	+20.4	+12.6	+ 6.9
25-34	10.7	12.1	15.0	17.6	+13.2	+24.1	+17.5
35-44	11.5	10.9	10.7	12.1	- 5.0	- 2.1	+12.9
45 and over .	19.0	20.2	20.7	20.5	+ 6.2	+ 2.3	- 0.9