

for the proper reduction and application of his instrumental work.

- 7b. Inspector (class B), \$1,800. Should have some practical experience in the class of work that he is employed to inspect, and have sufficient intelligence and firmness to enforce the carrying out of specifications.
- 7c. Junior Draughtsman, \$1,500. Should have passed through his training as a tracer, and should have working knowledge of the use of draughting instruments.
- 8a. Chainman, \$1,200. No previous experience required.
- 8b. Rodman, \$1,500. No previous experience required.
- 8c. Tracer, \$1,200. No previous experience required.

Municipal Schedule

- 1a. Chief Engineer of municipality greater than 300,000 population, \$12,000. Should preferably be a graduate from an engineering school recognized by the Institute, and should have had 15 years' practical experience, covering two branches in municipal engineering, and should have served for about 5 years in the capacity of Deputy City Engineer, or of First Assistant in municipalities of over 300,000, or as Chief Engineer in municipalities of over 100,000, and should possess proven executive ability.
- 1b. Chief Engineer, 100,000 to 300,000, \$8,000. Should preferably be a graduate with 10 years' experience, covering two branches in municipal engineering. Three years of his experience should be in the capacity of either one of the following:—Chief Engineer in municipality of over 50,000, First Assistant in municipality of over 100,000, or Second Assistant in municipality of over 300,000. He should possess proven executive ability.
- 1c. Chief Engineer, 50,000 to 100,000, \$6,600. Should preferably be a graduate with 8 years' experience in municipal engineering, 2 years of which should be in the capacity of any one of the following:—Chief Engineer in city of over 10,000, First Assistant in city less than 100,000, or Second Assistant in city under 300,000. He should possess proven executive ability.
- 1d. Chief Engineer, 25,000 to 50,000, \$5,400. Should preferably be college graduate or licensed land surveyor with 5 years' experience in municipal engineering, and possess proven organizing ability.
- 1e. Chief Engineer, 10,000 to 25,000, \$4,200. Should preferably be college graduate or licensed land surveyor with 3 years' experience in municipal engineering, or should have completed apprenticeship to municipal engineer, and have been subsequently placed in responsible charge of engineering work. He must have ability to handle men.
- 1f. Chief Engineer, less than 10,000, \$3,000. Same qualifications as for cities between 10,000 and 25,000 unless work is confined to routine construction and maintenance, in which case he should have had 5 years' experience as First Assistant in similar work, and should have ability to handle men.
- 1g. Other Municipal Engineers (employed part time), Daily Rate. Land Surveyors,—requirements prescribed by law. For routine construction and maintenance, qualification to be same as for Chief Engineer of city less than 10,000. Other casual work probably done by consulting engineers.
- 2. Deputy City Engineer or Principal Assistant in cities over 300,000, \$8,000. Same qualification as for Chief Engineer in city of from 100,000 to 300,000.
- 3a. First Assistant having charge of (any one of the following) roadways, sewers, water works, light, transportation, structures, testing and inspection in cities over 300,000, \$5,000. Should preferably be a graduate with 8 years' experience in municipal engineering, 4 years of which should have been in the capacity of First Assistant in municipality of 100,000 to 300,000, or, as Second Assistant in municipality of over 300,000. Should be able to handle office, construction and maintenance forces.
- 3b. First Assistant in charge of one or more departments in cities 100,000 to 300,000, \$4,000. Should preferably be a graduate with 6 years' experience in engineering, 2 years of which should have been in the capacity of First Assistant in city of less than 100,000, or, as Second Assistant in city of over 100,000. Should be able to handle office, construction and maintenance forces.
- 3c. First Assistant in cities less than 100,000, \$3,000. Should preferably be a graduate with 4 years' experience in engineering, 2 years of which should have been in the capacity of Second Assistant, and should be able to handle office, construction and maintenance forces.
- 4a. Second Assistant reporting to the First Assistants in larger municipalities and to the Chief Engineer in smaller municipalities, in responsible charge of design, drafting and engineering records, cities over 300,000, \$3,600. Should preferably be a graduate with 6 years' experience in engineering, 4 years of which should have been as Second Assistant in city under 300,000, or as Resident Engineer on construction with designing experience, or as Designer. Should be able to handle office staff for designing, drafting and keeping records.
- 4b. Second Assistant in responsible charge of design, drafting and engineering records, cities less than 300,000, \$3,000. Should preferably be a graduate with 4 years' experience in engineering, 2 years of which should have been either as Designer or as Resident Engineer on construction with designing experience. Should be able to handle office staff for designing, drafting and keeping of records.
- 4c. Second Assistant in responsible charge of surveys, cities over 300,000, \$3,000. Should preferably be a graduate engineer or licensed land surveyor with 4 years' experience as Instrument man in municipal work, preferably on construction, and should be able to handle several parties and to keep them employed to advantage.
- 4d. Second Assistant in responsible charge of surveys, cities less than 300,000, \$2,400. Should preferably be a graduate engineer or licensed land surveyor with 2 years' experience as Instrument man in municipal work, preferably on construction, and should be able to handle several parties and keep them employed to advantage.
- 4e. Second Assistant in responsible charge of construction, operation or maintenance (one or more), cities more than 300,000, \$3,600. Should preferably be a graduate with 6 years' experience in engineering, 4 of which should have been as Inspector or as Resident Engineer on construction, and should be able to handle construction and maintenance forces.
- 4f. Second Assistant in responsible charge of construction, operation or maintenance (one or more), cities less than 300,000, \$3,000. Should preferably be a graduate with 4 years' experience in engineering, 2 of which should have been as Inspector or as Resident Engineer on construction, and should be able to handle construction and maintenance forces.
- 5. Resident Engineer on construction, \$2,400. Should preferably be graduate with 3 years' experience in municipal work, or should have completed apprenticeship in municipal work. Should have ability to use survey instruments, make calculations arising therefrom, and keep track of quantities and labor.